

Archaeological Subsurface Reconnaissance Koteewi Park Lake Hamilton County, Indiana



by
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Koteewi Park Lake
Hamilton County, Indiana

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Abstract

The Archaeological Resources Management Service (ARMS) conducted an archaeological subsurface reconnaissance for the proposed lake area within Koteewi Park at Strawtown, Indiana for Hamilton County Parks and Recreation (HCPR). The project will involve the construction of a recreational lake and beach area within the floodplain. The overburden from the lake construction will be deposited on the terrace to the south for the construction of a sledding hill. The subsurface reconnaissance involved the excavation of 28 backhoe trenches within the proposed project area. Subsurface deposits were recorded within nine previously recorded sites; 12H1014, 12H1018, 12H1019, 12H1069, 12H1070, 12H1072, 12H1073, 12H1074, and 12H1075. Six new archaeological sites were recorded based on subsurface deposits, 12H1175 to 1180, and one new surface site was recorded, 12H1181. Six sites, 12H1014, 12H1018, 12H1019, 12H1070, 12H1074 and 12H1178, were recommended for avoidance or further archaeological testing. These sites can be avoided by redesigning the lake location utilizing the area to the west that has a low potential for significant archaeological sites.

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Introduction

In response to a request from Hamilton County Parks and Recreation (HCPR), the Archaeological Resources Management Service (ARMS) has conducted archaeological investigations for the construction of a recreational lake and sledding hill within Koteewi Park at Strawtown, Hamilton County, Indiana (Figure 1). The project will involve the construction of a recreational lake and beach area within the floodplain. The overburden from the lake construction will be deposited on the terrace to the south for the construction of a sledding hill. The project involves approximately 18.25 acres for the lake, 8 acres for the sledding hill and 0.6 acres for a temporary haul road.

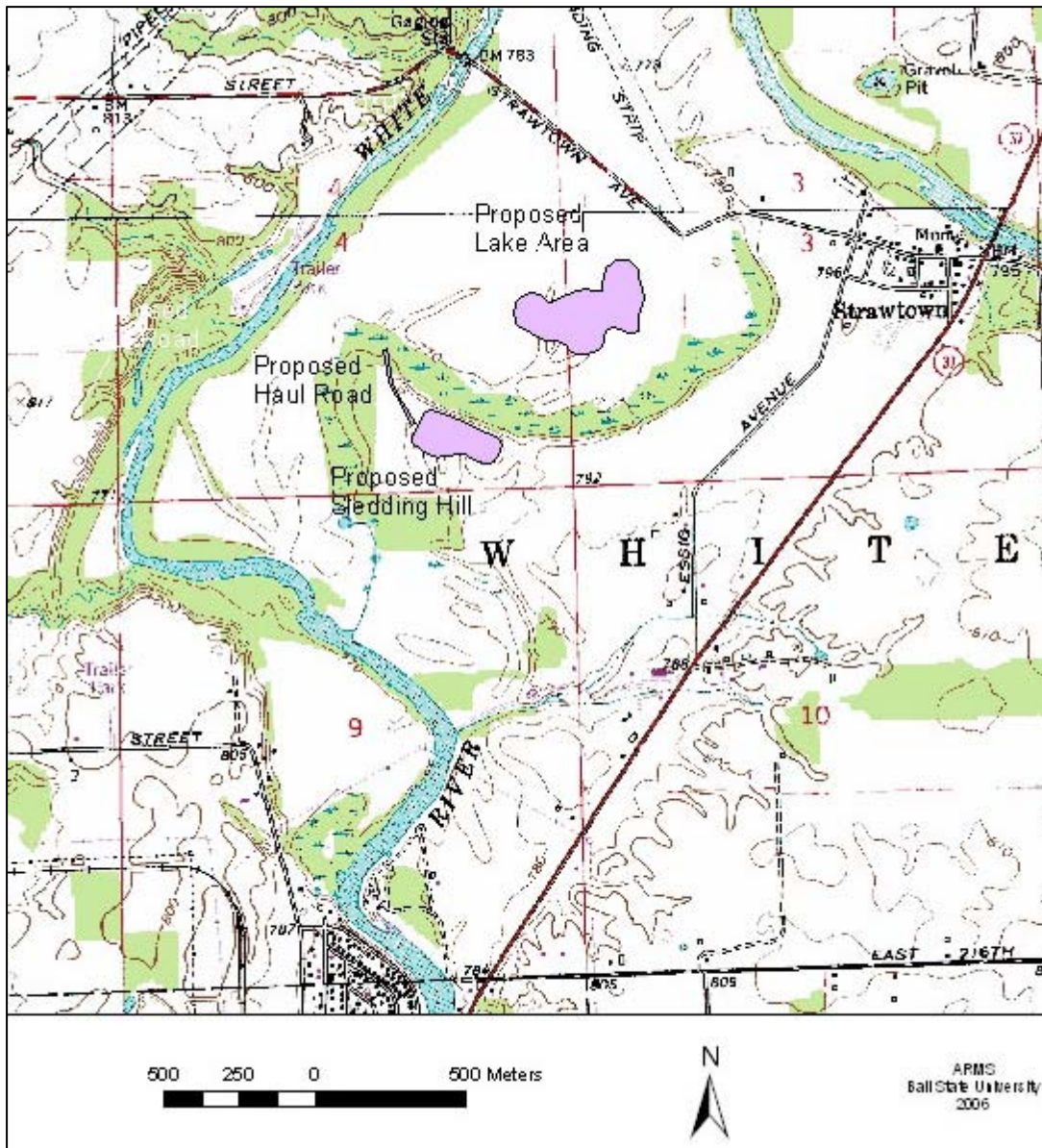


Figure 1. A portion of the USGS 7.5 Riverwood and Omega Quadrangles showing the location of the project area.

In 2002, ARMS surveyed approximately 450 acres of the present Koteewi Park in conjunction with a Historic Preservation Fund Grant to inventory and evaluate archaeological resources within and adjacent to the White River valley (McCord and Cochran 2003). This survey documented 89 archaeological sites, some of which are located within the boundaries of the proposed construction (Figure 2). Within the proposed lake construction, sites 12H1006, 1007 and 1009 were recommended for archaeological testing and subsurface reconnaissance and sites 12H1008, 1011, 1012, 1013, 1014, 1015, 1017, 1018, 1019, 1067, 1071, 1072, 1073, 1074, 1076, and 1077 were recommended for subsurface reconnaissance. Sites 12H959 and 963 were recommended for archaeological testing and will be impacted by the proposed sledding hill. To avoid sites recommended for testing, the proposed location of the lake and the sledding hill were adjusted in consultation with Mr. Allen Patterson, Superintendent of HCPR (Figure 3). Sites within the suggested lake relocation included 12H1014, 1018, 1019, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1076, 1077, and 1078. Since the lake is located within alluvial soils with the potential for buried archaeological resources, the Division of Historic Preservation and Archaeology (DHPA) in the Department of Natural Resources concurred with recommendations for a subsurface reconnaissance within the area of the proposed lake construction (Jones 2006).

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Figure 2. Aerial photo with archaeological sites and proposed project areas.

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Figure 3. Aerial photo with suggested relocation of lake and sledding hill.

This report addresses the archaeological investigations and subsurface reconnaissance recommended for the lake project area. The goals of the subsurface reconnaissance were to locate, document and provide a preliminary assessment of buried archaeological deposits within the project area.

Background

Since HCPR acquired the property that is now Koteewi Park in 2000, numerous archaeological investigations have occurred within the park boundaries. These projects have been conducted for academic research interests, student education, public education and compliance projects prior to the construction of park facilities. A brief review of the archaeological investigations within the park is provided below. Several cultural histories specific to Koteewi Park have been previously written (eg. McCullough 2005, McCord and Cochran 2003).

Indiana University-Purdue University Fort Wayne Archaeological Survey (IPFW-AS) has conducted yearly investigations within the area north of Strawtown Avenue beginning in 2001 (White et al. 2002, White et al. 2003, McCullough et al. 2004, McCullough 2005). This work has resulted in a surface survey of over 146 acres, the identification of 43 previously unrecorded archaeological sites, and exploration of the Strawtown enclosure (12H883) and Castor Farm site (12H3). While IPFW-AS focused excavations at the enclosure and Castor Farm, sites 12H1052 to 1059 were also tested. IPFW-AS documented Early Archaic through early Historic period occupations in the northern portion of the park. In addition, IPFW-AS's extensive work demonstrates that significant and complex Late Woodland through Late Prehistoric occupations and interactions occurred within the Strawtown area.

ARMS has investigated archaeological resources within the area south of Strawtown Avenue. In 2002, approximately 450 acres were surveyed and 89 previously undocumented sites were recorded (McCord and Cochran 2003). Similar to IPFW-AS's results, Early Archaic through Late Prehistoric occupations were documented. In addition, a Paleoindian component was also documented. In 2004, limited test excavations were conducted at site 12H993, a Late Woodland/Prehistoric component site. ARMS's work within the southern portion of the park also confirmed a significant and complex Late Woodland through Late Prehistoric occupation within the river valley.

In 2002, Indiana State University Anthropology Laboratory (ISUAL) conducted a geomorphic analysis with an emphasis on evaluating the potential for buried sites of a 153 acre tract to the south of Strawtown Avenue that includes a portion of the proposed lake area (Cantin et al. 2003). The investigation was conducted through the excavation of 18 backhoe trenches (totaling about 345 m²) and 11 Giddings cores to sample all the landforms present (Cantin et al. 2003). ISUAL did not entirely discount the potential for buried deposits, but sediments greater than about one meter below the surface were cited as products of high energy deposition and were not conducive to site preservation. Areas of poorly drained soils, were not felt to be favorable for sustained occupation. The suspected age of the sediments in the proposed recreation area was late Holocene and buried sites, if encountered, should not be older than Late Archaic. In essence, it was felt there was very little potential for buried archaeological deposits (Cantin et al 2003).

The interpretations and conclusions of the geoarchaeological investigation conducted by ISUAL were contrasted by views held by ARMS of the flood plain area (McCord and Cochran 2003). ISUAL cited coarse textured deposits as evidence for the lateral accretion deposits (scroll bars) and river migration, but when textures were actually presented in the report only fine textures (silty clay loams, silt loams or loams) were noted in the upper meter of deposits in the project area. Coarse textures were only noted in the existing swales and the glacial outwash deposits that underlies the entire valley. The presence of diagnostic Early Archaic and Late Archaic points found on the surface by ARMS argued against a young age for at least certain areas of the flood plain. Cultural material was recovered by ARMS from buried contexts in three of seven augers excavated within the floodplain. The ISUAL investigation sampled only 0.056% of the 153 acre proposed recreation area even though a variety of landforms were tested. As

ISUAL recognized, their evaluation of the proposed recreation area was preliminary, and in order to develop a more comprehensive geomorphic model, additional investigations would be required (Cantin et al. 2003:55). Given the contrary information, ARMS recommended a subsurface reconnaissance for all of the alluvial portions of the south portion of the park. Based on our interpretation of the flood plain setting, the surface distribution of cultural material may have little influence on buried archaeological deposits. For example, Feature 1 identified during ISUAL geomorphic study was encountered within the boundaries of site 12-H-993c and within an area of a high density of materials. However, Feature 2 was encountered within the boundaries of site 12-H-993d and in an area with a very light density of materials. Therefore, there is a potential for buried archaeological materials to occur in both low artifact density sites and in areas without surface artifacts.

Specific to the current project, ISUAL excavated two trenches (Trench 2 and 17) and two cores (Core 7 and 8) within the proposed lake area. The cores suggest a floodbasin flat setting. Soil horizons identified included an Ap-A-Bw-BC-C profile indicating moderate pedogenesis. The C-horizon was encountered at approximately 1.2 meters below the surface (Cantin et al. 2003).

Methods

The subsurface reconnaissance for the proposed lake was conducted between June 20th and 27th, 2006. The proposed lake area is the floodplain of the White River. The project contains little topographic relief; approximately 2.33' is the difference in elevation. The project area was in an agricultural field planted in corn that was between 4 and 6' in height at the time of the reconnaissance. Students from the Ball State University field school including Brent Alexander, Christa Barleben, Matt Collins, Monica DeCarlo, and Julie Koogler served as crew for the project. In addition, staff from ARMS including Blake Cochran, Cameron Cox, Brad King, Jan Northam, Nicole Schneider and Mitch Zoll, also served as crew. Don Cochran and Beth McCord served as co - Principal Investigators.

Field Methods

The proposed lake area is approximately 18.25 acres in size or 73,869 m². The subsurface reconnaissance was conducted by the mechanical excavation of backhoe trenches. The trenches were placed to sample all surface archaeological sites and all landforms including the floodplain basin, swales and ridges (Figure 4).

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Figure 4. Location of backhoe trenches.

The trenches were excavated by a backhoe with a smooth bucket operated by Bill McGuire of Powell–McGuire Excavating. All excavation was monitored by ARMS staff. Initially, the plow zone was removed and the trench floor was examined for sub-plowzone cultural deposits. The trenches were then excavated in shallow cuts to the

water table and sterile deposits. If artifacts were encountered in the trench floor, the excavation was halted and the backhoe was moved to avoid cultural deposits. The excavation then resumed. Both walls of each trench were trowel and/or shovel scraped and examined for cultural deposits. Artifacts were flagged and the locations were recorded prior to collection. All artifacts were recorded and collected separately to assist in the identification of the horizontal and vertical limits of the deposits. All artifacts were taken to the ARMS laboratory for processing and analyses.

No discrete features were identified, but artifact concentrations were defined. The concentrations were mapped in plan and profile view and their location within the trench was recorded. Additional trenches were excavated perpendicular to trenches containing the concentrations to aid in defining site limits. One 1x1 m unit was excavated in Trench 2A within an artifact concentration to assist in determining the nature of the deposit. The plowzone had been removed by backhoe, so the unit preceded in 10 cm arbitrary levels from the base of the plowzone until sterile subsoil was encountered. All soil was screened through 6.4 mm wire mesh. Level records were maintained for the unit and a profile of one wall was drawn.

Soil profiles within the trenches were homogeneous and a representative two-meter section of the trench wall was drawn. Soil zones were identified by Munsell color and texture. A soil sample was taken from each soil zone and taken to the ARMS lab for verification and further analysis. Each trench was photographed and the trench profile was photographed with a digital camera.

Due to the height of the corn at the time of the reconnaissance, an instrument survey of the project area was not possible to record the trench locations. The locations were recorded by a Sokkia Axis³ GPS using NAD 1927. The GPS data was then imported into ArcGIS 9.0.

All trenches were backfilled at the completion of the project.

Laboratory Methods

Laboratory methods followed standardized procedures on ARMS projects. Artifacts were cleaned, identified and catalogued. Metrical attributes and raw material identification were recorded. Diagnostic artifacts were photographed for inclusion in the final report. Soil samples were examined for Munsell color, texture and structure. The artifacts will be returned to Hamilton County Parks and Recreation for curation. All materials associated with this project were accessioned under # 06.67.

Results

Trenches

The subsurface reconnaissance excavated 28 trenches within the proposed lake boundaries. Approximately 926.9 m² were sampled, representing a 1.25% sample of the

proposed project area. Table 1 provides a listing of the trench sizes. The trenches sampled all surface archaeological sites, except 12H1078, and all landforms including the floodplain basin, swales and ridges (Figure 4). Spacing between the trenches varied between 22 and 65 meters. After sampling 110 m² of swale deposits, it was determined that swales contained no archaeological deposits and were not further investigated.

Table 1 Trench Dimensions (all trenches 1.1 m wide)					
Trench	Length (m)	Trench	Length (m)	Trench	Length (m)
1	28.5	10	25.6	21	29.2
2	32.1	11	31.8	22	31.3
2A	15.4	12	20.5	23	34.7
3	30.2	13	26.7	24	25.7
3A	3.7	14	29.7	25	33.3
4	32.6	15	28.8	25A	7.4
5	29.8	16	25.9	25B	3.7
6	33.5	17	18.0	26	28.8
7	35.0	18	28.8	27	30.1
8	35.6	19	24.8	28	28.4
9	27.5	20	25.5		

The trenches were excavated until the water table was encountered. The depth of the water table was variable ranging between 0.5 m to 1.1 m. The higher water tables were encountered in swales or areas of low relief.

While the individual trenches contained homogenous deposits, the project area was diverse. The deposits encountered within the trenches varied based on geomorphology and/or landform development. Appendix A contains profile columns and descriptions of each trench.

The most common profile consisted of an Ap-A-Bw profile, indicating moderate pedogenesis as expected for Ross loam and Sloan silty clay loam soils. Ross soils are a cumlic mollisols that develop in prairie grasslands and have a deep mollic epipedon (Hosteter 1978, Soil Survey Staff 1990). Sloan soils are also mollisols, but contain less organic material in the mollic epipedon than cumlic mollisols (Hosteter 1978, Soil Survey Staff 1990). The trench profiles corresponded well with the mapped areas of Ross and Sloan soils. The darker and deeper mollic epipedon occurred in the northern trenches mapped as Ross loam and the lighter color mollic epipedons occurred in area mapped as Sloan silty clay loam.

Only one trench, Trench 28, showed an A-C profile indicating a very young landform. This may represent a small pocket of an Entisol such as Shoals silt loam (Hosteter 1978, Soil Survey Staff 1990). These soils occupy active flood channels adjacent to the project area. No cultural material was recovered from Trench 28.

Nineteen of the 28 trenches contained cultural deposits (Figure 5 and 6). Prehistoric components were encountered in the plowzone to approximately 0.7 meters below the ground surface. No cultural material was encountered below the base of the mollic epipedon. While cultural material was not buried deeply, buried archaeological deposits were encountered. As previously inferred, (McCord and Cochran 2003), the potential for buried archaeological materials to occur in both low artifact density sites and in areas without surface artifacts was supported; site 12H1178 did not have a surface manifestation. Of the 14 surface sites, previously recorded within the project area, 9 sites contained subsurface artifacts. Six previously undocumented sites were recorded during this project.

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Figure 5. Location of artifacts within the trenches.

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Figure 6. Sites encountered during the project.

Artifacts

The subsurface reconnaissance recovered nearly 400 objects (Table 2). The most common artifacts encountered were fire-cracked rock (fcr). Pottery sherds or remnants of pottery (pottery crumbs) were the next most prevalent artifacts. Chert artifacts were surprisingly low. Seven historic artifacts were also recovered. Appendices A and B provide a listing of materials by trench and site.

Table 2 Materials Recovered			
Material	No.	Material	No.
Unmodified flake	13	Bone	6
Modified flake	2	Burned bone	3
Core	1	Fire-crack rock	160 / 5012 g
Block flake	1	Glass, clear, flat	1
Triangular point fragment*	1	Glass, clear, container	1
Anvil/Muller/Hammerstone	2	Nail	1
Pottery, body, exfoliated	36	Nail/wire	1
Pottery, body, fabric marked	25	Metal, farm machinery	1
Pottery, body, cord marked	8	Whiteware, undecorated	1
Pottery, rims	4	Wooden post	1
Pottery crumbs	24	Charcoal	25
Burned clay	75+		
* site 12H1005, outside project right-of-way			

The only diagnostic artifacts were pottery. Most of the pottery were exfoliated body sherds or crumbled fragments. Only four rim sherds were recovered (Figure 7). The two sherds from site 12H1018 represent portions of a rim band embellished with horizontal cord impressed designs. The rim from site 12H1074 is somewhat more complete and displays vertical cord impressions on the exterior of the rim and oblique cord impression on the top of the lip. The rim from site 12H1178 has a plain or smoothed surface and shows no decoration. These ceramics are similar to sherds identified as “Great Lake Impressed” (McCullough et al. 2004) or Bowen series (McCord et al. 2004) and more recently Castor Phase (McCullough 2005). Similar ceramics have been recovered from the Strawtown enclosure, Castor Farm and site 12H993 and should date between cal AD 1000 and 1400.



Figure 7. Rim sherds: a) site 12H1018, Unit 1, level 1; b) site 12H1018, Trench 10; c) site 12H1074, Trench 4; d) site 12H1178, Trench 23.

Sites

Several surface sites were recorded within the proposed lake area: 12H1014, 1018, 1019, 1067, 1071, 1072, 1073, 1074, 1067, 1068, 1069, 1070, 1072, 1073, 1074, 1076, 1077, 1078 and 1080. At least one backhoe trench was excavated across the boundaries of each of these sites except for site 12H1078 (Figure 4). The project recovered artifacts from ten previously recorded surface sites (12H1005, 1014, 1018, 1019, 1069, 1070, 1072, 1073, 1074, and 1077) and documented seven new archaeological sites (12H1175 to 1181) (Figure 6). A summary of each site is provided below.

Site No: 12H1014

Trench No.: Trench 8

Cultural Period: Woodland

Site Type: Scatter

Location: NE $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$, SW $\frac{1}{4}$, Section 3, Township 19 North, Range 5 East

UTM Center: 588876E, 4441591 N (NAD27)

Size: 20 m NS x 30 m EW (500m²)

Soil Type: Ross loam (Ro), Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts:

- | | | |
|---|------------------------------|------------|
| 1 | unmodified flake | Fall Creek |
| 1 | pottery, body, fabric marked | Grit |

Subsurface artifacts:

- | | | |
|---|------------------------------|------|
| 1 | bone, fragmented | |
| 2 | Fcr | |
| 1 | pottery, body, fabric marked | Grit |
| 2 | pottery crumb | |

Discussion: The original survey of this site recovered six unmodified flakes and one fire-cracked rock from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 8 were concentrated in a 4 meter section of the trench approximately 30 cm bgs. While the quantity of artifacts is not large, the concentration suggests potentially significant archaeological remains. Further exploration of this small site is recommended.

Site No: 12H1018

Trench No.: Trench 2, 2A and 10

Cultural Period: Late Woodland/Late Prehistoric

Site Type: Scatter

Location: SE ¼, NW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588824 E 4441655 N, 588820 E 4441676 N, 588884 E 4441693 N,
588889 E 4441674 N (NAD27)

Size: 40 m NS x 70 m EW (1800m²)

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

- | | | | |
|----|--|------------|-----------|
| 1 | bone, burned | | Trench 2 |
| 6 | pottery, body, fabric marked | grit | Trench 2 |
| 7 | fcr | | Trench 2 |
| 4 | pottery, body, exfoliated | grit | Trench 2 |
| 1 | pottery crumb | | Trench 2 |
| 10 | pottery crumb | | Trench 2A |
| 4 | fcr | | Trench 2A |
| 1 | pottery, body, exfoliated | grit | Trench 2A |
| 1 | pottery, body, cord marked | grit | Trench 2A |
| 1 | unmodified flake | Fall Creek | Trench 2A |
| 1 | bone, burned | | Trench 2A |
| 2 | pottery, body, cord marked | grit | Trench 10 |
| 4 | pottery, body, exfoliated | grit | Trench 10 |
| 1 | Bone | | Trench 10 |
| 1 | pottery, body, fabric marked | grit | Trench 10 |
| 1 | Fcr | | Trench 10 |
| 1 | pottery, rim, decorated - cord impressed | grit | Trench 10 |

Unit 1/Trench 2A			Level
2	unmodified flake	Fall Creek	1
1	unmodified flake	Quartzite	1
1	Charcoal		1
10	burned clay		1
10	pottery, body, exfoliated	Grit	1
2	pottery, body, fabric marked	Grit	1
1	pottery, rim, decorated - cord impressed	Grit	1
29	fcr (217.5 g)		1
6	burned clay		2
15	fcr (113.3 g)		2
1	unmodified flake	Fall Creek	3
17	fcr (385.4 g)		3
2	charcoal sample		3
2	unmodified flake	Fall Creek	4
8	burned clay		4
31	fcr (387.6 g)		4
5	charcoal sample		4
1	unmodified flake	Fall Creek	5
1	Core	Fall Creek	5
50+	burned clay		5
5	Charcoal		5
26	fcr (385.6 g)		5

Discussion: The original survey of this site recovered four unmodified flakes from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 2, 2A and 10 were recovered from the plowzone to approximately 70 cm below the ground surface. The unit excavated in Trench 2A indicates a midden deposit exists at this site. The quantity of artifacts recovered suggests the location of potentially significant archaeological remains. Further exploration of this site is recommended.

Site No: 12H1019

Trench No.: Trench 3 and 3A

Cultural Period: Late Woodland/Late Prehistoric

Site Type: Scatter

Location: NW ¼, SE ¼, NW ¼, SW ¼ and SW ¼, NE ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588920 E 4441629 N, 588918 E 4441659 N, 588932 E 4441670 N, 588942 E 4441628 N (NAD27)

Size: 30 m EW x 45 m NS (800m² in project area)

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts:

1 anvil/muller

Subsurface artifacts:

- 1 fcr
- 1 unmodified flake Fall Creek
- 1 pottery, body, cord marked Grit
- 1 fcr
- 2 fcr
- 1 pottery, body, cord marked Grit
- 1 pottery, body, fabric marked grit

Discussion: The original survey of this site recovered three unmodified flakes and one Triangular point from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 3 and 3A were concentrated in a 7 meter section of the trench between 23 and 34 cm bgs. While the quantity of artifacts is not large, the concentration suggests potentially significant archaeological remains. Further exploration of this small site is recommended.

Site No: 12H1067

Trench No.: Trench 22

Cultural Period: Unidentified Prehistoric

Site Type: Scatter

Location: SW ¼, SE ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East

UTM: 588659 E 4441482 N, 599679 E 4441502 N, 5888664 E 4441522N,
588649 E, 4441501 N (NAD27)

Size: 30 m NS x 40 m EW

Soil Type: Ross loam (Ro), Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts: none

Discussion: The original survey of this site recovered nine unmodified flakes, one modified flake and 4 fire-cracked rocks from the surface (McCord and Cochran 2003). No cultural material was recovered from the trench excavated across this site. No further archaeological investigation is recommended.

Site No: 12H1068

Trench No.: Trench 21

Cultural Period: Unidentified Prehistoric

Site Type: Isolated find

Location: SW ¼, SW ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East

UTM: 588607 E 4441476 N (NAD 27)

Size: Isolate

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts: none

Discussion: The original survey of this site recovered one unmodified flake from the surface (McCord and Cochran 2003). No cultural material was recovered from the trench excavated across this site. No further archaeological investigation is recommended.

Site No: 12H1069
Trench No.: Trench 20
Cultural Period: Unknown Prehistoric, Historic
Site Type: Scatter
Location: SW ¼, SE ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East
UTM Center: 588644E, 4441444 N (NAD27)
Size: 15 m NS x 30 m EW
Soil Type: Sloan silty clay loam, sandy substratum (Sx)
Landform: Floodplain basin/swale
Surface artifacts: none
Subsurface artifacts:

- 1 nail or wire fragment
- 1 whiteware
- 1 metal, farm machinery
- 1 nail fragment
- 1 wooden post

Discussion: The original survey of this site recovered five unmodified flakes, one stone ware fragment and one fire-cracked rock from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 20 were all historic in origin. Given the wooden post and wire, it would appear an old fence line was encountered. No further archaeological exploration of this site is recommended.

Site No: 12H1070
Trench No.: Trench 18 and 19
Cultural Period: Woodland
Site Type: Scatter
Location: SW ¼, SE ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East
UTM: 588679 E 4441445 N, 588684 E 4441458 N, 588720 E 4441469 N, 588729 E 4441457 N (NAD27)
Size: 25 m NS x 35 m EW (875m²)
Soil Type: Sloan silty clay loam, sandy substratum (Sx)
Landform: Floodplain basin/swale
Surface artifacts: none
Subsurface artifacts:

3	pottery crumb		Trench 18
2	pottery, body, exfoliated	grit	Trench 18
1	pottery, body, fabric marked	grit	Trench 18
1	unmodified flake	Glacial	Trench 18
1	glass, clear, container		Trench 18
3	pottery, body, fabric marked	grit	Trench 18 - 50 x 50 cm
1	modified flake	Fall Creek	Trench 18 - 50 x 50 cm
1	fcf		Trench 19
1	modified flake	Fall Creek	Trench 19
		heat damaged	
1	block flake	Fall Creek	Trench 19

1 pottery, body, fabric marked grit

Trench 19

Discussion: The original survey of this site recovered 11 unmodified flakes, one modified flake, one pottery sherd and five fire-cracked rocks from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 18 and 19 were between 15 and 30 cm bgs. The quantity of artifacts recovered suggests the location of potentially significant archaeological remains. Further exploration of this site is recommended.

Site No: 12H1071

Trench No.: Trench 14

Cultural Period: Unidentified Prehistoric

Site Type: Isolated find

Location: SW ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588789E 4441511 N (NAD27)

Size: Isolate

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts: none

Discussion: The original survey of this site recovered one unmodified flakes from the surface (McCord and Cochran 2003). No cultural material was recovered from the trench excavated across this site. No further archaeological investigation is recommended.

Site No: 12H1072

Trench No.: Trench 7

Cultural Period: Woodland

Site Type: Scatter

Location: NE ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM Center: 588860 E 4441543 N (NAD27)

Size: 10 m x 10 m

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts:

1 pottery, body, exfoliated Grit

2 fcr

Discussion: The original survey of this site recovered one unmodified flake and one modified flake from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 7 were few in number and encountered between 30 and 38 cm bgs. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1073

Trench No.: Trench 5

Cultural Period: Middle Woodland

Site Type: Scatter

Location: NW ¼, SE ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM Center: 588915E, 4441548 N (NAD27)

Size: 5 m x 5 m

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts:

1 fcr

Discussion: The original survey of this site recovered one lamellar bladelet from the surface (McCord and Cochran 2003). The fire-cracked rock recovered in Trench 5 was approximately 42 cm bgs. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1074

Trench No.: Trench 4

Cultural Period: Late Woodland/Late Prehistoric

Site Type: Scatter

Location: NW ¼, SE ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM Center: 588940E, 4441575 N (NAD27)

Size: 20 m x 20 m

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts:

2 pottery, body, cord marked grit

3 charcoal

1 pottery, body, exfoliated grit

1 pottery, body, fabric marked grit

1 glass, clear flat

1 pottery, rim, decorated - cord impressed grit

1 Fcr

Discussion: The original survey of this site recovered three unmodified flakes, four modified flakes, 1 biface, one pottery sherd, one Triangular point and one fire-cracked rock from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 4 were between 27 and 38 cm bgs. While the quantity of artifacts is not large, the concentration suggests potentially significant archaeological remains. Further exploration of this small site is recommended.

Site No: 12H1076

Trench No.: Trench 15

Cultural Period: Unidentified Prehistoric

Site Type: Scatter

Location: SW ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588787 E 4441470 N

Size: 10 m NS x 10 m EW

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts: none

Discussion: The original survey of this site recovered two unmodified flakes from the surface (McCord and Cochran 2003). No cultural material was recovered from the trench excavated across this site. No further archaeological investigation is recommended.

Site No: 12H1077

Trench No.: Trench 17

Cultural Period: Woodland

Site Type: Scatter

Location: SW ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM Center: 588749E, 4441450 N (NAD27)

Size: 5 m x 5 m

Soil Type: Ross loam (Ro), Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts: none

Subsurface artifacts:

1 fcr

1 pottery, body, fabric marked grit

Discussion: The original survey of this site recovered one unmodified flake from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 17 were between 25 and 33 cm bgs. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1175

Trench No.: Trench 6

Cultural Period: Woodland

Site Type: Scatter

Location: SW ¼, SW ¼, NE ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM Center: 588908 E 4441493 N (NAD27)

Size: 5 EW m x 10 m NS

Soil Type: Ross loam (Ro), Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin/swale

Surface artifacts:

1 pottery, body, cord marked Grit

Subsurface artifacts:

1 fcr

Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). The artifacts recovered during this project were from the surface or in the plowzone. Given the disturbed context and small quantity of artifacts recovered, potentially significant archaeological deposits are not suggested. No further archaeological investigation is recommended.

Site No: 12H1176
Trench No.: Trench 11
Cultural Period: Unidentified Prehistoric
Site Type: Scatter
Location: NE ¼, SE ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East
UTM Center: 588822 E 4441617 N (NAD27)

Size: 5 m x 5 m
Soil Type: Ross loam (Ro)
Landform: Floodplain basin
Surface artifacts: none
Subsurface artifacts:

- 1 burned clay
- 1 unmodified flake Fall Creek
- 1 charcoal

Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). The artifacts recovered in Trench 11 were from a 5 meter section of the trench between 30 and 55 cm bgs. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1177
Trench No.: Trench 13
Cultural Period: Woodland
Site Type: Isolated find
Location: NW ¼, SE ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East
UTM Center: 588795 E 4441590 N (NAD27)

Size: Isolate
Soil Type: Ross loam (Ro)
Landform: Floodplain basin
Surface artifacts: none
Subsurface artifacts:

- 1 pottery, body, exfoliated grit

Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). Only one pottery sherd was recovered at the base of plowzone in Trench 13. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1178
Trench No.: Trench 23, 24, 25, 25A, 25B
Cultural Period: Woodland
Site Type: Scatter
Location: NE ¼, SW ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East
UTM: 588542 E 4441534 N, 588572 E 4441587 N, 588598 E 4441583 N,
588584 E 4441530 N (NAD27)

Size: 50 m EW x 55 m NS

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

1	pottery, rim, plain	grit	Trench 23
3	Bone		Trench 23
1	pottery, body, exfoliated	grit	Trench 23
15	fc		Trench 24
1	Bone, burned		Trench 24
3	charcoal		Trench 25
9	pottery, body, exfoliated	grit	Trench 25
8	pottery crumb		Trench 25
1	Bone, fragmented		Trench 25
2	pottery, body, fabric marked	grit	Trench 25
1	fc		Trench 25
1	unmodified flake	Quartzite	Trench 25
1	fc		Trench 25
1	pottery, body, fabric marked	grit	Trench 25A
2	pottery, body, exfoliated	grit	Trench 25A

Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). The artifacts from Trench 23, 24, 25 and 25A were grouped together based on similar profiles and topography. The artifacts occurred between 19 and 59 cm bgs. The quantity of artifacts recovered suggests the location of potentially significant archaeological remains. Further exploration of this site is recommended.

Site No: 12H1179

Trench No.: Trench 26

Cultural Period: Woodland

Site Type: Scatter

Location: NW ¼, SE ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East

UTM Center: 588668 E 4441563 N (NAD27)

Size: 5 m NS x 15 m EW

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

1	pottery, body, fabric marked	grit
1	charcoal	
4	charcoal scatters	

Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). The artifacts recovered in Trench 26 were recovered in a 15 meter section of the trench between 32 and 66 cm bgs. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1180
Trench No.: Trench 27
Cultural Period: Woodland
Site Type: Isolated find
Location: NW ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East
UTM Center: 588734 E 4441540 N (NAD27)
Size: Isolate
Soil Type: Sloan silty clay loam, sandy substratum (Sx)
Landform: Floodplain basin/swale
Surface artifacts: none
Subsurface artifacts:
1 pottery, body, exfoliated grit
Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). Only one pottery sherd was recovered at 50 cm bgs in Trench 13. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1181
Trench No.: Trench 28
Cultural Period: Woodland
Site Type: Scatter
Location: NW ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East
UTM Center: 588746 E 4441512 N (NAD27)
Size: 5 m NS x 10 m EW
Soil Type: Sloan silty clay loam, sandy substratum (Sx)
Landform: Floodplain basin/swale
Surface artifacts:
1 pottery, body, fabric marked grit
1 hammerstone/anvil/muller
Subsurface artifacts: none
Discussion: A previous survey of this area recovered no surface artifacts (McCord and Cochran 2003). The artifacts recovered by this project were from the surface. No subsurface artifacts were recovered. No further archaeological investigation is recommended.

Site No: 12H1005
Cultural Period: Late Woodland/Late Prehistoric
Site Type: Scatter
Location: E ½, NE ¼, NW ¼, SW ¼, and the E ½, SE ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East
UTM: 588959 E 4441441 N, 589012 E 4441586 N, 589088E 4441856 N, 589048 E 4442640 N (NAD27)
Size: 60 m EW x 320 m NS
Soil Type: Ross loam (Ro) and Sloan silty clay loam, sandy substratum (Sx)
Landform: Floodplain basin/swale

Surface artifacts:

1 Triangular point fragment Fall Creek

Subsurface artifacts: none

Discussion: The Triangular point was recovered from the surface during a non-systematic pass across the site. The point was recovered from the southern portion of the site (Area B) as previously recorded by McCord and Cochran (2003). This site was previously recommended for archaeological testing and subsurface reconnaissance. The site is outside of the proposed lake project's boundaries.

Discussion

The project area is located within a floodbasin with little topographic relief. This flat basin is cut by shallow flood channels carrying water into the old slough to the south of the project area. The water table is fairly high ranging between 0.5 m and 1.1 m below the ground surface at the time of subsurface reconnaissance. Soil textures identified during this project were typically loams, silt loams, or clay loams. Occasionally, coarser textures of sandy clay loams or loamy sands were encountered. In general, the soils indicated low energy deposition with occasional higher energy flooding episodes. Alluvium and the decay of prairie grass vegetation have produced a deep A-horizon (mollic epipedon) across project area. The mollic epipedon was variable in depth and amount of organic material.

Cultural material was buried less than one meter deep. The deepest cultural materials occurred approximately 0.7 m below the present ground surface. Cultural material was only encountered within the A-horizon. In some locations, such as site 12H1018, cultural material occurred on the surface and extended to the base of the mollic epipedon. In other locations, such as site 12H1178, artifacts were encountered between 35 and 60 cm below the ground surface and no surface manifestation of the site occurred. In essence, cultural material could occur anywhere within the mollic epipedon.

The only diagnostic artifacts recovered from the trenches were pottery. Most of the sherds were small exfoliated pieces or crumbled fragments and could only be attributed to the Woodland period. Four rim sherds were diagnostic of the Late Woodland/Prehistoric period, ca. AD 1000 to 1400. Since no other diagnostic material was recovered, the current data suggest the mollisol may be no older than the Woodland period. If this is the case, ISUAL's model of Late Holocene stability may apply to this area of the floodplain. However, the evolution of the mollisol and corresponding prehistoric site formation is difficult to model with the current information.

The presence and quantity of surface artifacts were not reflective of the type of deposits that occurred below the plowzone. From the surface of site 12H1018, four unmodified flakes were originally documented, but the subsurface reconnaissance found numerous artifacts suggesting a midden deposit occurs at this site. Site 12H1067 had a small scatter of lithic and fire-cracked rock identified from the surface survey, but no cultural material was recovered from the trench excavated across this site. As noted

above, site 12H1178 had no surface manifestation, but contained a large number of artifacts below the plowzone.

The type of mollic epipedon did not appear to dictate the type or quantity of cultural materials encountered. Larger quantities of the artifacts were found within the cumlic mollisols (Ross soils), but site 12H1070 occurred within the less organic mollisol (Sloan soils). However, the active swales, mapped as Sloan soils, did not contain cultural material.

Cultural material was recovered from nineteen of the trenches excavated. In several cases, only one or two artifacts were encountered. These sites do not appear to contain enough archaeological information to warrant further investigation. One or two pieces of pottery occurring in a setting where Late Woodland/Prehistoric occupations are ubiquitous provides little new information. Six sites did contain larger quantities or concentrations of artifacts and were recommended for avoidance or archaeological testing (Table 3). These locations contain potentially significant archaeological remains.

The final lake design is still flexible and the archaeological sites recommended for testing may be avoided. Figure 8 shows an alternate location for the lake that should not affect archaeological resources. This area is largely contained within the active swale/flood channel system and the water table is near the surface. Based on the results of this project, this alternate area has a very low potential to contain archaeological materials.

Table 3 Recommendations	
Recommendation	Site No.
No Further Work	12H1067, 1068, 1069, 1071, 1072, 1073, 1076, 1077, 1175, 1176, 1177, 1179, 1180 and 1181
Testing	12H1014, 1018, 1019, 1070, 1074 and 1178

Image Removed

Site Locations Confidential

Not for Public Disclosure

Figure 8. Proposed alternate lake location.

Conclusions

An archaeological subsurface reconnaissance was conducted for the proposed recreational lake within Koteewi Park at Strawtown, Indiana. The subsurface reconnaissance involved the excavation of 28 backhoe trenches. The trenches sampled all surface archaeological sites, except 12H1078, and all landforms including the floodplain basin, swales and ridges. A high water table was encountered across the project area. The project recovered over 300 artifacts all within the deep A-horizon (mollic epipedon). The nearly 100 pottery sherds (including crumbled fragments) recovered were the only diagnostic artifacts recovered. Four rim sherds were similar to sherds identified as “Great Lake Impressed” (McCullough et al. 2004) or Bowen series (McCord et al. 2004) and more recently Castor Phase (McCullough 2005) and should date between cal AD 1000 and 1400.

Subsurface deposits were recorded within nine previously recorded sites; 12H1014, 12H1018, 12H1019, 12H1069, 12H1070, 12H1072, 12H1073, 12H1074, and 12H1075. Six new archaeological sites were recorded based on subsurface deposits, 12H1175 to 1180, and one new surface site was recorded, 12H1181. Six sites, 12H1014, 12H1018, 12H1019, 12H1070, 12H1074 and 12H1178, were recommended for avoidance or further archaeological testing.

If avoidance of the sites is chosen, the boundaries of these sites should be staked prior to construction so there is clear understanding of areas that must be avoided during construction. In addition prior to construction of the sled hill, the boundaries of sites 12H959 and 963, recommended for archaeological testing, should also be staked.

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University-Purdue University at Fort Wayne, Indiana.

Appendix A

Trench Descriptions

Trench 1

Dimensions: 1.1 m EW x 28.5 m NS

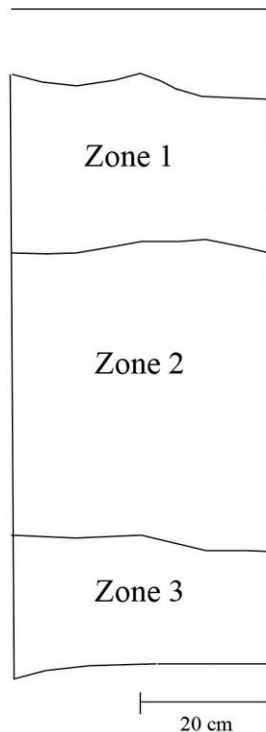
Site No.: none

Artifacts: none

Discussion: No surface site was recorded at this location and no cultural material was recovered in this trench. This trench was one of the deepest trenches excavated prior to hitting the water table at 1.15 m below the ground surface (bgs). This trench also had a deep mollic epipedon between 0.7 and 0.75 m bgs. The B-horizon had redoximorphic features indicating the depth of the water table.

Profile section: 8.2 m to 8.6 m south of north end of trench

Trench 1
West Wall



Zone 1 - Ap, 10YR 3/1, clay loam,
weak subangular blocky

Zone 2 - A, 10YR 2/1, silt loam,
granular to weak subangular blocky

Zone 3 - Bw, 10YR 3/1 with 10YR 4/2
and 5YR 4/6 mottles, silty clay loam,
weak subangular blocky

Trench 2, 2A and 10

Dimensions: Trench 2- 1.1 m EW x 32.1 m NS, Trench 2A – 1.1 m NS x 15.4 m EW, Trench 10 – 1.1 m NS x 25.6 m EW

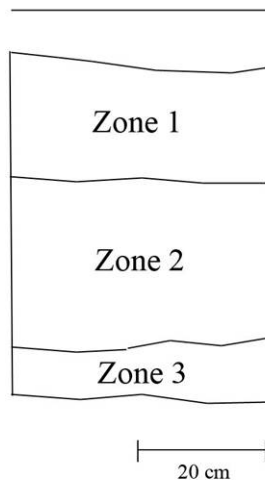
Site No.: 12H1018

Artifacts: see below

Discussion: These trenches contained one of the largest concentrations of artifacts. The artifacts occurred in an area approximately 40 m NS x 70 m EW and between the plowzone and 0.7 m below the ground surface (bgs); Zones 1 and 2. These trenches were similar to Trench 1, but the mollic epipedon varied between 0.45 m bgs in the southern half of Trench 2, to 0.75 m bgs in Trench 2A, to 0.6 m bgs in Trench 10. The B-horizon had redoximorphic features indicating the depth of the water table.

Profile section: 14.2 m to 14.6 m south of north end of Trench 2

Trench 2
West Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 2/1, silt loam, granular to weak subangular blocky

Zone 3 - Bw, 10YR 3/1 with 10YR 4/2 and 5YR 4/6 mottles, silty clay loam, weak subangular blocky

No	Identification	Material/ Temper	XU/Trench	Level	Provenience
1	bone, burned		Trench 2		plowzone
4	pottery, body, fabric marked	grit	Trench 2		plowzone
2	fcr		Trench 2		plowzone
1	pottery, body, fabric marked	grit	Trench 2		#1- Floor, 23.8 m N, 25-35 cm bgs
1	pottery, body, exfoliated	grit	Trench 2		#2- Floor, 24.0 m N, 25-35 cm bgs
1	pottery, body, exfoliated	grit	Trench 2		#3- Floor, 24.0 m N, 25-35 cm bgs
1	pottery, body, exfoliated	grit	Trench 2		#4- Floor, 24.7 m N, 25-35 cm bgs
1	pottery, body, fabric marked	grit	Trench 2		#5- Floor, 26.4m N, 25-35 cm bgs
1	pottery, body, exfoliated	grit	Trench 2		#6- Floor, 28.1 m N, 25-35 cm bgs
1	pottery crumb		Trench 2		#7- Floor, 30.1 m N, 45 cm bgs
1	fcr		Trench 2		#8- Floor, 30.2 m N, 45 cm bgs
1	fcr		Trench 2		#9- Floor, 32.2m N, 45cm bgs
2	fcr		Trench 2		#10- E. wall, 30.5 m N, 45 cm bgs
1	fcr		Trench 2		#11- Floor, 30.7 m N, 28 cm bgs
1	pottery crumb		Trench 2A		#1- Floor, 2.4 m E, 25-30 cm bgs
1	pottery crumb		Trench 2A		#2- Floor, 3.6 m E, 25-30 cm bgs
1	pottery crumb		Trench 2A		#3- Floor, 5.5 m E, 25-30 cm bgs
1	pottery crumb		Trench 2A		#4- Floor, 6.5 m E, 25-30 cm bgs
1	pottery crumb		Trench 2A		#5- Floor, 7.5 m E, 50 cm bgs
1	fcr		Trench 2A		#6- Floor, 7.5 m E, 50 cm bgs
1	fcr		Trench 2A		#7- Floor, 8.5 m E, 60 cm bgs
1	pottery crumb		Trench 2A		#8- Floor, 9.1 m E, 60 cm bgs
1	pottery crumb		Trench 2A		#12- Floor, 10.8 m E, 60 cm bgs
1	pottery, body, exfoliated	grit	Trench 2A		#13- Floor, 11.3 m E, 60 cm bgs
1	fcr		Trench 2A		#14- Floor, 11.4 m E, 60 cm bgs
1	pottery, body, cord marked	grit	Trench 2A		#15- Floor, 11.8 m E, 60 cm bgs
1	unmodified flake	Fall Creek	Trench 2A		#17- Floor, 12.8 m E, 60 cm bgs
1	pottery crumb		Trench 2A		#18- Floor, 12.9 m E, 61 cm bgs
1	pottery crumb		Trench 2A		#19- Floor, 12.9 m E, 61 cm bgs
1	bone, burned		Trench 2A		#20- Floor, 8.7 m E, 60 cm bgs
1	fcr		Trench 2A		#21- Floor, 6.4 m E, 25-30 cm bgs
1	pottery crumb		Trench 2A		#23- Floor, 2.2 m E, 25-30 cm bgs
2	unmodified flake	Fall Creek	Unit 1/Trench 2A	1	30-40 cm bgs
1	unmodified flake	Quartzite	Unit 1/Trench 2A	1	30-40 cm bgs
1	charcoal		Unit 1/Trench 2A	1	30-40 cm bgs
10	burned clay		Unit 1/Trench 2A	1	30-40 cm bgs
10	pottery, body, exfoliated	grit	Unit 1/Trench 2A	1	30-40 cm bgs
2	pottery, body, fabric marked	grit	Unit 1/Trench 2A	1	30-40 cm bgs
1	pottery, rim, decorated - cord impressed	grit	Unit 1/Trench 2A	1	30-40 cm bgs
29	fcr		Unit 1/Trench 2A	1	30-40 cm bgs
6	burned clay		Unit 1/Trench 2A	2	40-50 cm bgs
15	fcr		Unit 1/Trench 2A	2	40-50 cm bgs
1	unmodified flake	Fall Creek	Unit 1/Trench 2A	3	50-60 cm bgs
17	fcr		Unit 1/Trench 2A	3	50-60 cm bgs

2	charcoal sample		Unit 1/Trench 2A	3	60-70 cm bgs
2	unmodified flake	Fall Creek	Unit 1/Trench 2A	4	60-70 cm bgs
8	burned clay		Unit 1/Trench 2A	4	60-70 cm bgs
31	fcr		Unit 1/Trench 2A	4	60-70 cm bgs
5	charcoal sample		Unit 1/Trench 2A	4	60-70 cm bgs
1	unmodified flake	Fall Creek	Unit 1/Trench 2A	5	70-80 cm bgs
1	core	Fall Creek	Unit 1/Trench 2A	5	70-80 cm bgs
50	burned clay		Unit 1/Trench 2A	5	70-80 cm bgs
5	charcoal		Unit 1/Trench 2A	5	70-80 cm bgs
26	fcr		Unit 1/Trench 2A	5	70-80 cm bgs
1	pottery, body, cord marked	grit	Trench 10		plowzone
1	pottery, body, exfoliated	grit	Trench 10		E. wall, 5.9 m N, 32cm bgs
1	bone		Trench 10		E. wall, 4.7 m N, 33cm bgs
1	pottery, body, exfoliated	grit	Trench 10		Floor, 20.5 m N, 34 cm bgs
1	pottery, body, fabric marked	grit	Trench 10		Floor, 21.8 m N, 38 cm bgs
1	pottery, body, exfoliated	grit	Trench 10		Floor, 22.6 m N, 40 cm bgs
1	pottery, body, exfoliated	grit	Trench 10		Floor, 24.3 m N, 41 cm bgs
1	fcr		Trench 10		#1- Floor, 9.1 m N, 26 cm bgs
1	pottery, body, cord marked	grit	Trench 10		#2- Floor, 10.1 m N, 26 cm bgs
1	pottery, rim, decorated - cord impressed	grit	Trench 10		#3- Floor, 10.9 m N, 26 cm bgs

Trench 3 and 3A

Dimensions: Trench 3 -1.1 m NS x 30.2Ew, Trench 3A – 1.1 m EW x 3.7 m NS

Site No.: 12H1019

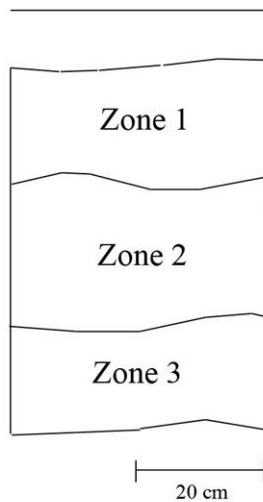
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	anvil/muller			Surface
1	fcr		Trench 3	#1- S. wall, 19.9 m E, 31 cm bgs
1	unmodified flake	Fall Creek	Trench 3	#2- S. wall, 19.4 m E, 23 cm bgs
1	pottery, body, cord marked	grit	Trench 3	#4- N. wall, 23.6 m E, 34 cm bgs
1	fcr		Trench 3	#5- S. wall, 25.9 m E, 28 cm bgs
2	fcr		Trench 3	#6- S. wall, 26.1 m E, 26 cm bgs
1	pottery, body, cord marked	grit	Trench 3A	#1- Floor, 0.2 m S, 28 cm bgs
1	pottery, body, fabric marked	grit	Trench 3A	#2- Floor, 0.2 m S, 26 cm bgs

Discussion: These trenches contained nine artifacts. The artifacts occurred in an area approximately 2 m NS x 7 m EW within the trenches. Artifacts were recovered from the surface and to a depth of 0.34 m bgs; Zones 1 and 2. This trench was similar to Trench 1 and 2, but the mollic epipedon was between 0.40 m and 0.45 m bgs. The B-horizon had redoximorphic features indicating the depth of the water table.

Profile section: 23.8 m to 24.2 m east of west end of trench

Trench 3
North Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 2/1, silt loam, granular to weak subangular blocky
 Zone 3 - Bw, 10YR 3/1 with 10YR 4/2 and 5YR 4/6 mottles, silty clay loam, weak subangular blocky



Trench 4

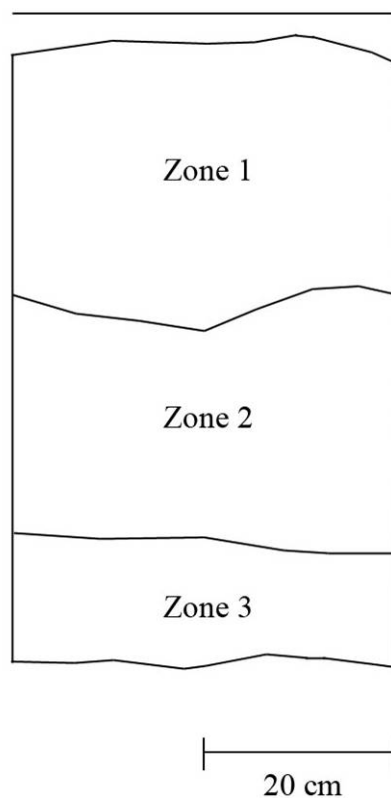
Dimensions: 1.1 m EW x 32.6 m NS

Site No.: 12H1074

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, cord marked	Grit	Trench 4	#1- W. wall, 10.5 m N, 32 cm bgs
1	Charcoal		Trench 4	#2- W. wall, 13.9 m N, 27 cm bgs
1	Charcoal		Trench 4	#3- E. wall, 17.2 m N, 38 cm bgs
1	pottery, body, exfoliated	Grit	Trench 4	#4- Floor, 17.2 m N, 38 cm bgs
1	pottery, body, fabric marked	Grit	Trench 4	#5- Floor, 17.6 m N, 38 cm bgs
1	glass, clear flat		Trench 4	#5- Floor, 17.6 m N, 38 cm bgs
1	Charcoal		Trench 4	#6- Floor, 17.5 m N, 38 cm bgs
1	pottery, body, cord marked	Grit	Trench 4	#7- W. wall, 17.9 m N, 28 cm bgs
1	pottery, rim, decorated - cord impressed	Grit	Trench 4	#8- Floor, 23.1 m N, 29 cm bgs
1	Fcr		Trench 4	#10- Floor, 24.8 m N, 29 cm bgs

Trench 4
West Wall



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 3/1, loam, granular to weak subangular blocky
 Zone 3 - Bw, 10YR 4/2, sandy clay loam weak subangular blocky

Discussion: This trench contained six prehistoric artifacts and charcoal over a 14 meter area. Artifacts occurred from the base of the plowzone to approximately 38 cm bgs; Zone 2. The mollic epipedon was approximately 0.5 m deep and somewhat lighter in color (less organic content) than the more northern trenches. The B-horizon, Zone 3, had a sandy texture indicating higher energy flooding than seen in the northern trenches.

Profile section: 8.8 m to 9.2 m north of the south end of trench



Trench 5

Dimensions: 1.1 m NS x 29.8 m EW

Site No.: 12H1073

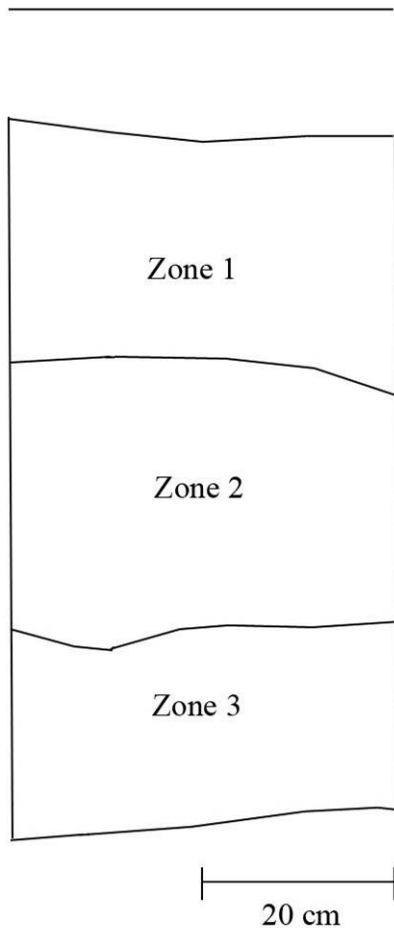
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	fcr		Trench 5	Floor, 9.5 m W, 42 cm bgs

Discussion: Only one fire-cracked rock was encountered in this trench. It was near the bottom of the mollic epipedon, Zone 2. The mollic epipedon was approximately 0.5 m deep and somewhat lighter in color (less organic content) than the more northern trenches. The B-horizon, Zone 3, had a sandy texture indicating higher energy flooding than seen in the northern trenches.

North Wall

Profile section: 20.0 m to 20.4 m west of east end of trench



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky

Zone 2 - A, 10YR 3/3, loam, granular to weak subangular blocky

Zone 3 - Bw, 10YR 3/4 sandy clay loam, weak subangular blocky



Trench 6

Dimensions: 1.1 m EW x 33.5 m NS

Site No.: 12H1175

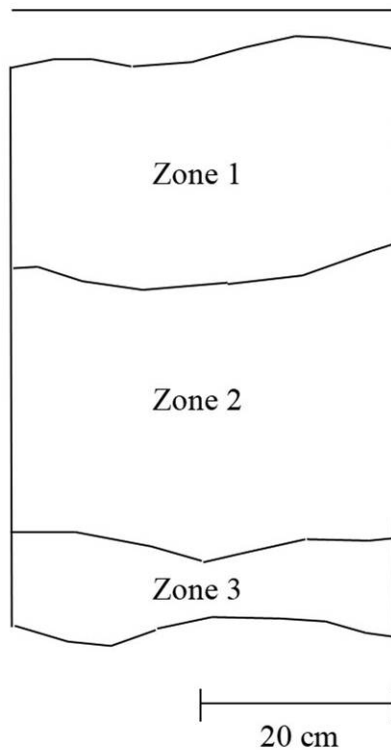
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, cord marked	Grit	Trench 6	surface
1	Fcr		Trench 6	W. wall, 13.1 m S, 20 cm bgs

Discussion: The artifacts recovered from this site were either from the surface or located in the plowzone. The mollic epipedon was approximately 0.5 m deep and somewhat lighter in color (less organic content) than the more northern trenches. The B-horizon had redoximorphic features indicating the depth of the water table.

Profile section: 19.4 to 19.8 m south of north end of trench

Trench 6
East Wall



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky

Zone 2 - A, 10YR 3/1, loam, granular to weak subangular blocky

Zone 3 - Bw, 10YR 4/2 with 10YR 3/2 and 10YR 5/6 mottles, clay loam, subangular blocky



Trench 7

Dimensions: 1.1 m EW x 35.0 m NS

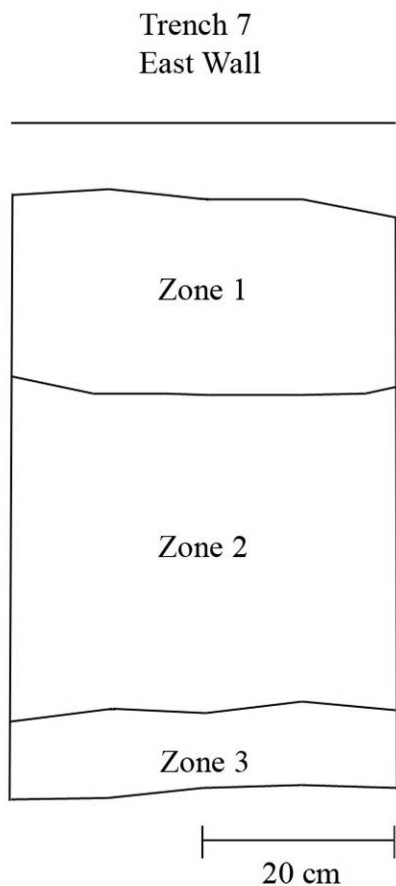
Site No.: 12H1072

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, exfoliated	grit	Trench 7	plowzone
1	fcr		Trench 7	#1- Floor, 23.4 m N, 38 cm bgs
1	fcr		Trench 7	#2- Floor, 24.8 m N, 38 cm bgs

Discussion: Only three artifacts were recovered from this trench and one was in the plowzone. The two fire-cracked rocks were recovered from Zone 2. The mollic epipedon was approximately 0.5 m deep and somewhat lighter in color (less organic content) than the more northern trenches. The B-horizon had redoximorphic features indicating the depth of the water table.

Profile section: 25.7 m to 26.1 m south of the north end of trench



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 3/1, loam, granular to weak subangular blocky
 Zone 3 - Bw, 10YR 4/2 with 10YR 3/2 and 10YR 5/6 mottles, clay loam, subangular blocky



Trench 8

Dimensions: 1.1 m EW x 35.6 m NS

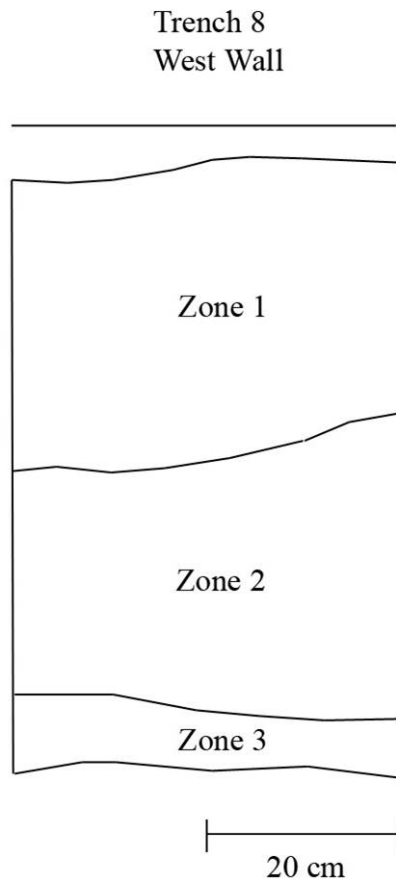
Site No.: 12H1014

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	bone, fragmented		Trench 8	#1- Floor, 20.0 m N, 30 cm bgs
2	Fcr		Trench 8	#1- Floor, 20.0 m N, 30 cm bgs
1	Pottery, body, fabric marked	grit	Trench 8	#3- Floor 20.7 m N, 30 cm bgs
1	Pottery crumb		Trench 8	#4- Floor, 21.7 m N, 30 cm bgs
1	Pottery crumb		Trench 8	#5- Floor, 23.4 m N, 30 cm bgs
1	unmodified flake	Fall Creek	Trench 8	surface

Discussion: The artifacts recovered in this trench were concentrated in a 3.5 m section. The artifacts were encountered at the base of the plowzone. This trench also had a mollic epipedon approximately 0.55 m bgs. Except for the B-horizon not being mottled, this trench is similar to Trenches 1, 2 and 3.

Profile section: 8.5 to 8.9 m south of the north end of trench



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 2/1, loam, weak subangular blocky

Zone 3 - Bw, 10YR 3/1 clay loam, weak subangular blocky



Trench 9

Dimensions: 1.1 m NS x 27.5 m EW

Site No.: none

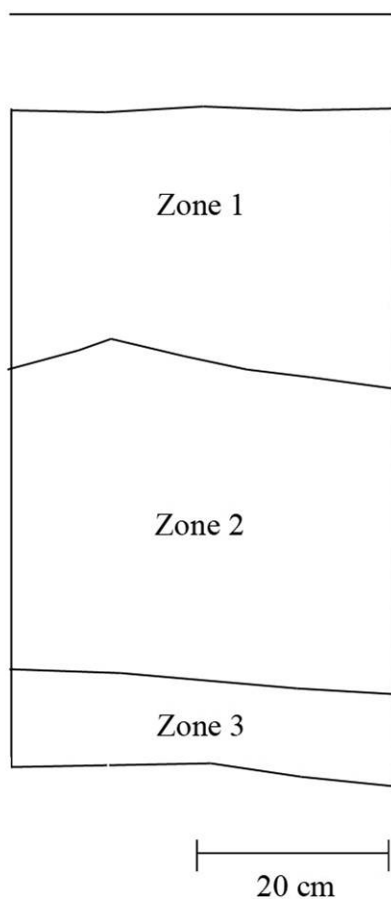
Artifacts: none

Discussion: No surface site was recorded at this location and no cultural material was recovered in this trench. This trench had mollic epipedon approximately 0.55 m deep. The B-horizon had redoximorphic features indicating the depth of the water table.

The profile is similar to the northern trenches such as Trench 1, 2, 3 and 8.

Profile section: 6.3 to 6.7 m east of the west end of trench

Trench 9
North Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 2/1, loam, weak subangular blocky

Zone 3 - Bw, 10YR 3/1 with 10YR 4/2 and 10YR 4/6 mottles, clay loam, weak subangular blocky



Trench 11

Dimensions: 1.1 m EW x 31.8 m NS

Site No.: 12H1176

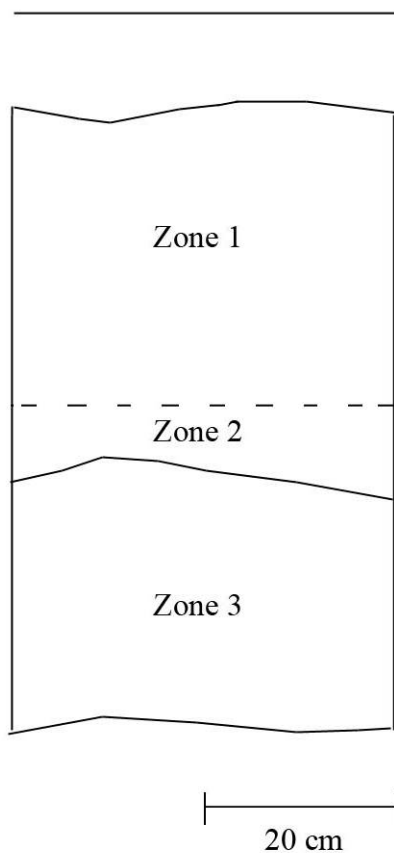
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	burned clay		Trench 11	Floor, 7.5 m S
1	unmodified flake	Fall Creek	Trench 11	Floor, 7.7 m S, 36 cm bgs
1	charcoal		Trench 11	Floor, 12.1 m S, 55 cm bgs

Discussion: This trench was located in a swale. A buried A-horizon was encountered. The mollic epipedon was approximately 0.6 m deep. The water table was encountered at the base of Zone 3.

Profile section: 8.1 m to 8.5 m south from north end of trench

Trench 11
West Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky
 Zone 2 - Apb, 10YR 3/1, clay loam, weak subangular blocky
 Zone 3 - A, 10YR 2/1, loam, granular to weak subangular blocky



Trench 12

Dimensions: 1.1 m NS x 20.5 m EW

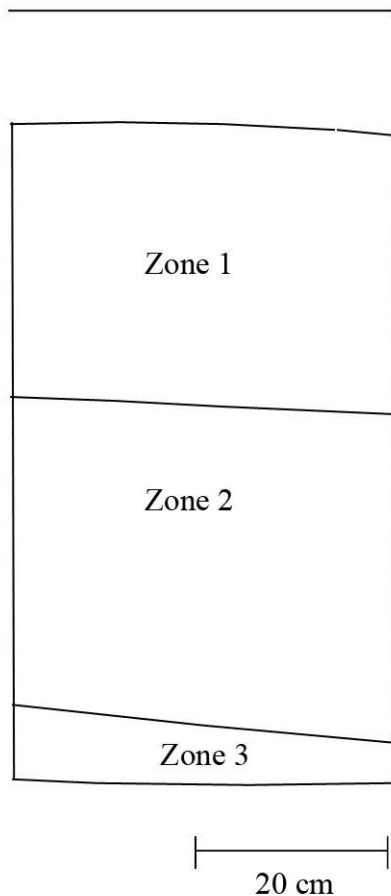
Site No.: none

Artifacts: none

Discussion: No surface site was recorded at this location and no cultural material was recovered from this trench. This trench had a mollic epipedon approximately 0.6 m deep. The profile was similar to Trench 8.

Profile section: 5.0 m to 5.4 m east of the west end of trench

Trench 12
South Wall



Zone 1 - Ap, 10YR 3/2, clay loam,
weak subangular blocky

Zone 2 - A, 10YR 2/1, silt loam,
granular to weak subangular blocky

Zone 3 - Bw, 10YR 3/1,, silty clay loam,
weak subangular blocky



Trench 13

Dimensions: 1.1 m NS x 26.7 m EW

Site No.: 12H1177

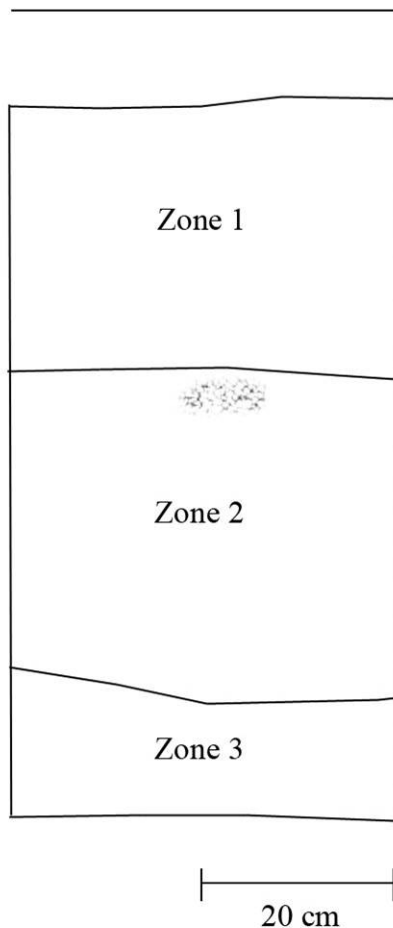
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, exfoliated	Grit	Trench 13	N. wall, 5.3 m E, 25 cm bgs

Discussion: Only one artifact was encountered in this trench and it was at the base of the plowzone. The mollic epipedon was approximately 0.6 m bgs. This trench is similar to Trench 8 and 12, but sand pockets encountered in Zone 2 indicate more high energy flooding at this location.

Trench 13
North Wall


Profile section: 4.5 m to 4.9 m east of
the west end of trench



Zone 1 - Ap, 10YR 3/2, clay loam,
weak subangular blocky

Zone 2 - A, 10YR 2/1, loam,
granular to weak subangular blocky

Zone 3 - Bw, 10YR 3/1, silty clay loam,
weak subangular blocky

 - diffuse fine sandy loam, 10YR 4/4

Trench 14

Dimensions: 1.1 m EW x 29.7 m NS

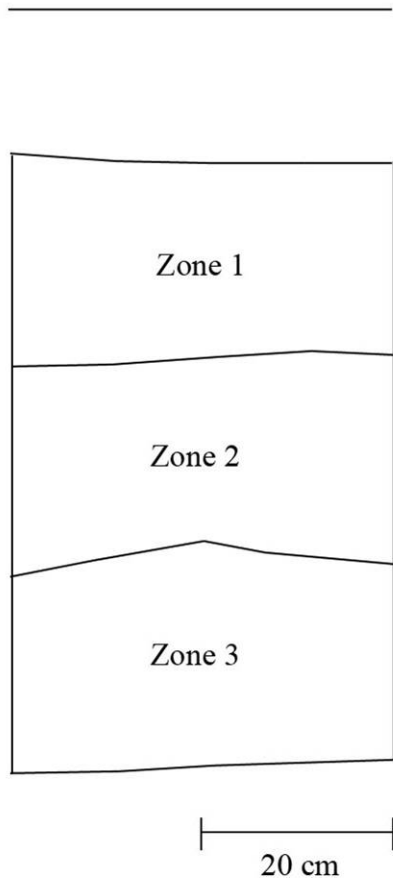
Site No.: 12H1071

Artifacts: none

Discussion: An isolated find was recorded at this location (McCord and Cochran 2003), but no cultural material was recovered during this project. This trench was located within a swale. The trench had a mollic epipedon approximately 0.4 m deep. The mollic epipedon was lighter in color than the northern trenches indicating less organic content. Sandy textures of the sediments recorded in Zones 2 and 3 suggest a higher energy deposition. The redoximorphic features identified in Zone 3 indicate the depth of the water table.

Profile section: 19.3 t 19.7 m north of the south end of trench

Trench 14
West Wall



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky

Zone 2 - A, 10YR 3/1, sandy clay loam, granular

Zone 3 - Bw, 10YR 4/3 with 10YR 4/6 mottles, sandy clay loam, weak subangular blocky



Trench 15

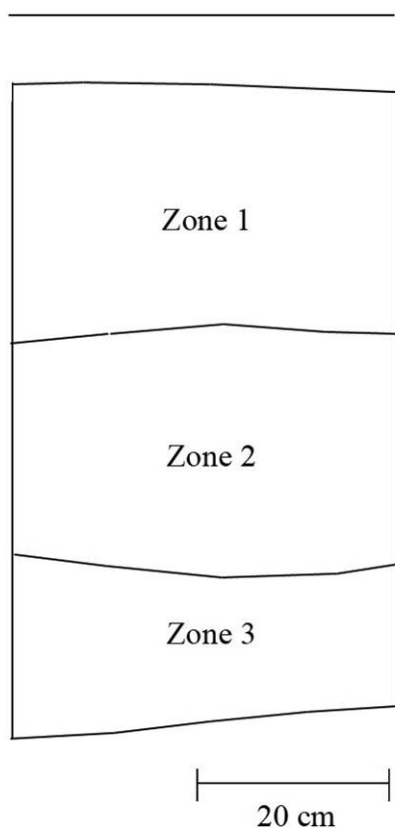
Dimensions: 1.1 m NS x 28.8 m EW

Site No.: none

Artifacts: none

Discussion: A small lithic scatter (2 flakes) was recorded at this location (McCord and Cochran 2003), but no cultural material was recovered during this project. This trench was located within a swale. The trench had a mollic epipedon approximately 0.5 m deep. The mollic epipedon was lighter in color than the northern trenches indicating less organic content. The redoximorphic features identified in Zone 3 indicate the depth of the water table.

Trench 15
North Wall



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 3/1, loam, granular to weak subangular blocky
 Zone 3 - Bw, 10YR 3/2 with 10YR 4/6 mottles, silty clay loam, weak subangular blocky

Profile section: 12.5 m to 12.9 m east of west end of trench



Trench 16

Dimensions: 1.1 m EW x 25.9 m NS

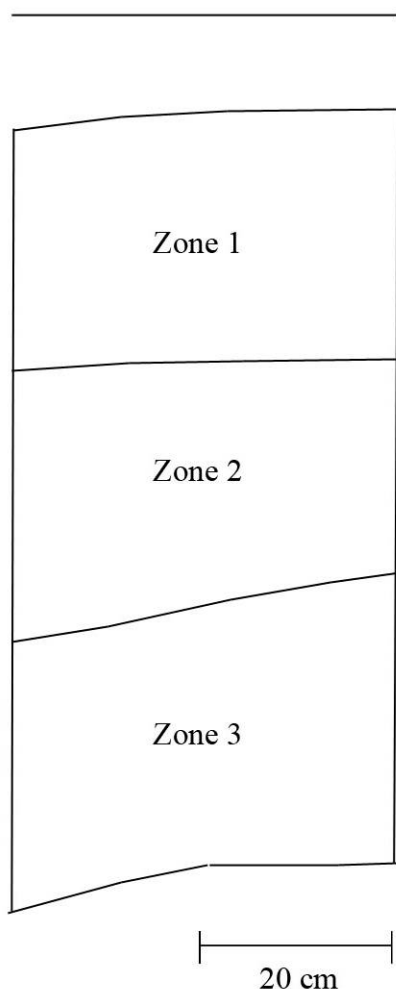
Site No.: none

Artifacts: none

Discussion: A lithic scatter was recorded at this location (McCord and Cochran 2003), but no cultural material was recovered during this project. The trench had a mollic epipedon approximately 0.5 m deep. The mollic epipedon was lighter in color than the northern trenches indicating less organic content. The redoximorphic features identified in Zone 3 indicate the depth of the water table.

Profile section: 9.2 to 9.6 m south of north end of trench

Trench 16
West Wall



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky

Zone 2 - A, 10YR 4/2, silt clay loam, weak subangular blocky

Zone 3 - Bw, 10YR 4/4 with 10YR 4/2 and 10YR 4/6 mottles, clay loam, weak subangular blocky



Trench 17

Dimensions: 1.1 m EW x 18 m NS

Site No.: 12H1077

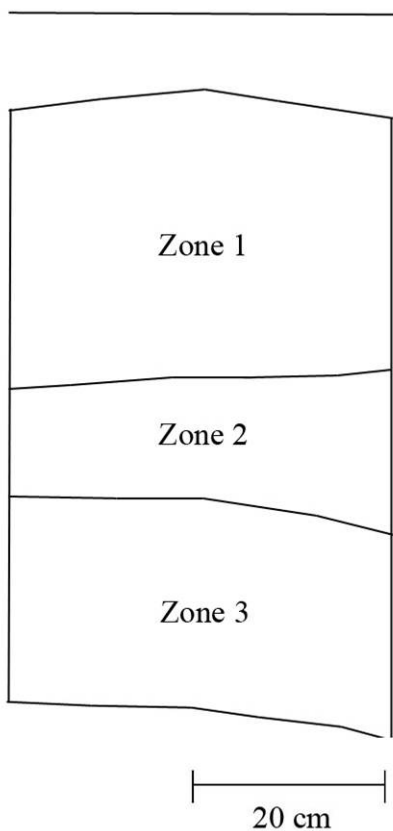
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	Fcr		Trench 17	Floor, 9.8 m S, 33 cm bgs
1	pottery, body, fabric marked	Grit	Trench 17	Floor, 13.6 m S, 25 cm bgs

Discussion: Only two artifacts were recovered from this trench. They occurred within a four meter section of the trench, but were either in the plowzone or at the base of the plowzone. The mollic epipedon was approximately 0.4 m deep and lighter in color than the northern trenches indicating less organic content. Sandy textures of the sediments recorded in Zone 3 suggest a higher energy deposition. The redoximorphic features identified in Zone 3 indicate the depth of the water table.

Trench 17
West Wall

Profile section: 9.3 to 9.7 m south of the
north end of trench



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 3/1, loam, granular to weak subangular blocky
 Zone 3 - Bw, 10YR 4/3 with 10YR 4/6 mottles, sandy clay loam, weak subangular blocky



Trench 18 and 19

Dimensions: Trench 18 - 1.1 m EW x 28.8 m NS, Trench 19 – 1.1 m NS x 24.8 m EW

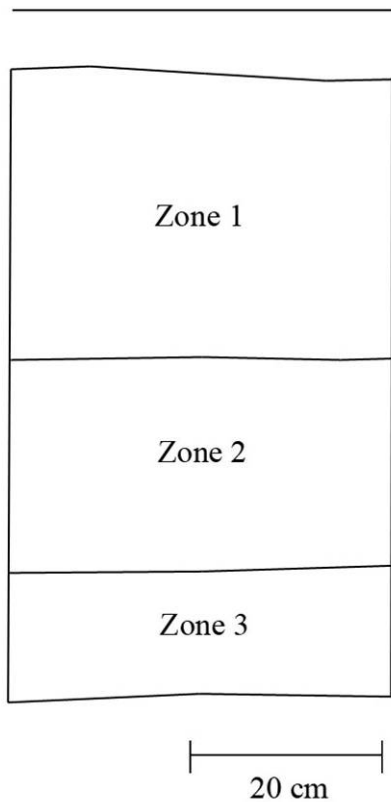
Site No.: 12H1070

Artifacts: see below

Discussion: Several artifacts were recovered from these trenches over a 15 x 15 m area. The artifacts were found from the plowzone to 40 cm bgs. The mollic epipedon was approximately 0.4 m deep and lighter in color than the northern trenches indicating less organic content. The northern end of Trench 18 cut across a swale. The redoximorphic features identified in Zone 3 indicate the depth of the water table.

Profile section: 9.0 to 9.4 m north of north of south end of Trench 18

Trench 18
East Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 3/2, silty clay loam, granular to weak subangular blocky

Zone 3 - Bw, 10YR 4/2 with 10YR 3/2 and 10YR 4/6 mottles, silty clay loam, weak subangular blocky



No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery crumb		Trench 18	#2- E. wall, 7.6 m N, 15 cm bgs
1	pottery crumb		Trench 18	#3- E. wall, 9.0m N, 20 cm bgs
1	pottery crumb		Trench 18	#4- E. wall, 10.5 m N, 26 cm bgs
1	pottery, body, exfoliated	Grit	Trench 18	#5- Floor, 14.2 m N, 40 cm bgs
1	pottery, body, fabric marked	Grit	Trench 18	plowzone
1	unmodified flake	Glacial	Trench 18	Floor, 3.0 m N , BPZ
1	pottery, body, fabric marked	Grit	Trench 18	Floor, 3.0 m N , BPZ
1	glass, clear, container		Trench 18	Floor, 3.0 m N , BPZ
3	pottery, body, fabric marked	Grit	Trench 18 - 50 x 50 cm	1.05 to 1.55 m N, 30 cm bgs
1	modified flake	Fall Creek	Trench 18 - 50 x 50 cm	1.05 to 1.55 m N, 30 cm bgs
1	fer		Trench 19	S. wall, 2.7 m W, 23 cm bgs
1	modified flake	Fall Creek	Trench 19	N. wall, 6.3 m W, 36 cm bgs
1	block flake	Heat damaged Fall Creek	Trench 19	S. wall, 6.9 m W, 31 cm bgs
1	pottery, body, fabric marked	Grit	Trench 19	Floor, 11.1 m W, 24 cm bgs

Trench 20

Dimensions: 1.1 m EW x 25.5 m NS

Site No.: 12H1069

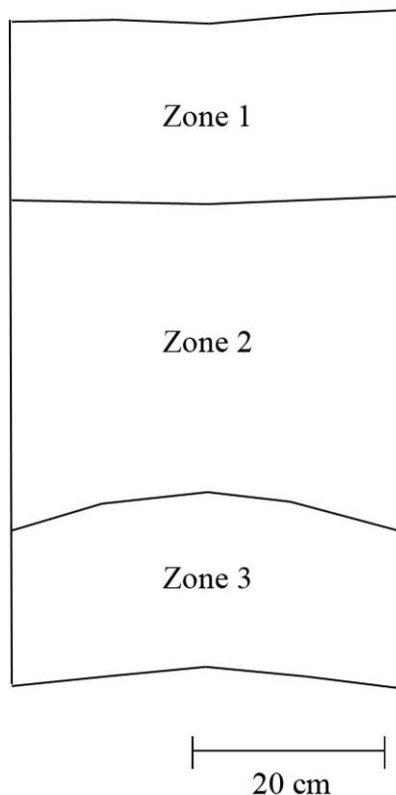
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	Nail or wire fragment		Trench 20	Floor, 6.3 m N, BPZ
1	whiteware		Trench 20	Floor, 6.3 m N, BPZ
1	metal, farm machinery		Trench 20	Surface, west side of trench 13.65 m N
1	Nail fragment		Trench 20	W. wall, 15.85 m N, 25 cm bgs
1	wooden post		Trench 20	Floor, 9.8 - 10.0 m N

Discussion: No prehistoric artifacts were recovered from this trench. It would appear the trench cut across an old fence row. The trench had a mollic epipedon approximately 0.5 m deep. The mollic epipedon was lighter in color than the northern trenches indicating less organic content. The redoximorphic features identified in Zone 3 indicate the depth of the water table. This trench was similar to Trench 18 and 19.

Profile section: 13.7 m to 14.1 m
north of south end of trench

Trench 20
East Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 3/2, silt clay loam, granular to weak subangular blocky
 Zone 3 - Bw, 10YR 4/2 with 10YR 5/1 and 10YR 4/6 mottles, silty clay loam, weak subangular blocky

Trench 21

Dimensions: 1.1 m NS x 29.2 m EW

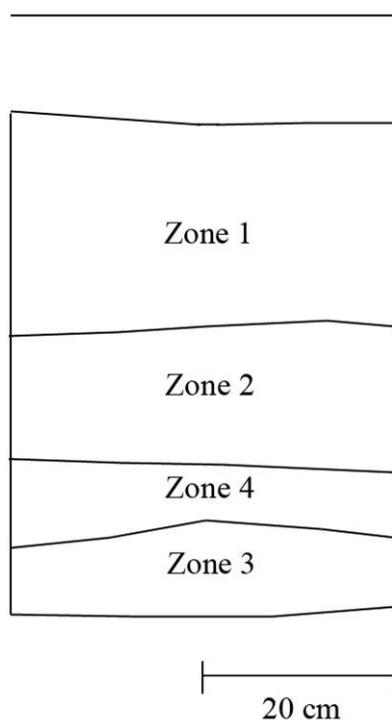
Site No.: 12H1068

Artifacts: none

Discussion: An isolated find was recorded at this location (McCord and Cochran 2003), but no cultural material was recovered during this project. The trench had a mollic epipedon approximately 0.5 m deep that was split by laminated sands (Zone 4). The mollic epipedon was lighter in color than the northern trenches indicating less organic content. The sand lenses of Zone 4 indicate higher energy flooding in this area. The water table was encountered at the base of Zone 3.

Profile section: 9.5 m to 9.9 m west of east end of trench

Trench 21
South Wall



Zone 1 - Ap, 10YR 3/1, clay loam,
weak subangular blocky

Zone 2 - A, 10YR 3/2, silty clay loam,
weak subangular blocky

Zone 3 - Bw, 10YR 3/2, silty clay loam,
weak subangular blocky

Zone 4 - Bw, 10YR 4/3, fine loamy sand,
laminated

Trench 22

Dimensions: 1.1 m EW x 31.3 m NS

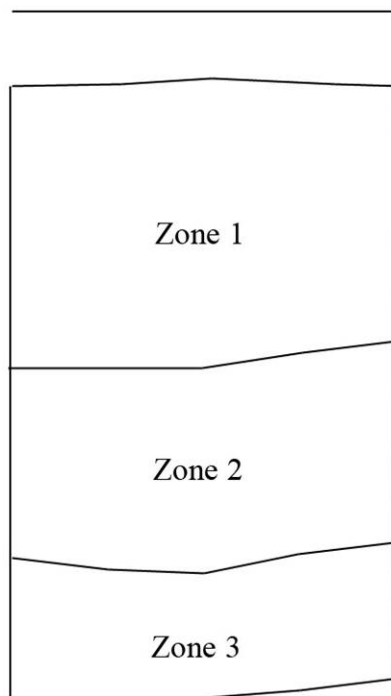
Site No.: 12H1067

Artifacts: none

Discussion: A lithic scatter was recorded at this location (McCord and Cochran 2003), but no cultural material was recovered during this project. The trench had a mollic epipedon approximately 0.5 m deep. The water table was encountered at the base of Zone 3. This trench is similar to Trench 8 and 12.

Profile section: 18.9 m to 19.3 m north of south end of trench

Trench 22
West Wall



20 cm

Zone 1 - Ap, 10YR 3/1, clay loam,
weak subangular blocky

Zone 2 - A, 10YR 2/1, silt loam,
weak subangular blocky

Zone 3 - Bw, 10YR 3/1, silty clay loam,
weak subangular blocky



Trench 23, 24, 25, 25A and 25B

Dimensions: Trench 23 - 1.1 m EW x 34.7 m NS, Trench 24 - 1.1 m EW x 25.7 m NS, Trench 25 - 1.1 m NS x 33.3 m EW, Trench 25A - 1.1 EW x 7.4 m NS, Trench 25B - 1.1 m EW x 3.7 m NS

Site No.: 12H1178

Artifacts: see below

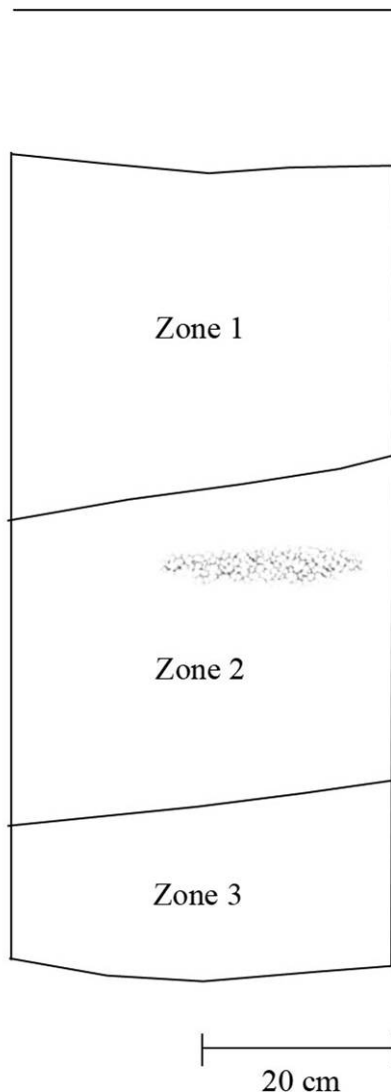
Discussion: Numerous artifacts were recovered from these trenches. The artifacts occurred over an area approximately 50 m EW x 55 m NS and between 0.35 and 0.6 m

bgs. The mollic epipedon ranged between 0.65 and 0.7 m in depth. These trenches were similar to Trench 2, 2A, and 10 in the type of deposits.

However, these trenches had sand lenses within the mollic epipedon indicating higher energy deposition. The redoximorphic features recorded in Zone 3 indicate the depth of the water table.

Profile section: 21.1 to 21.6 m east of west end of Trench 25


Trench 25
North Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 2/1, silt loam, granular to weak subangular blocky

Zone 3 - Bw, 10YR 4/2 with 10YR 3/1 and 10YR 4/6 mottles, clay loam, weak subangular blocky

 - sand lens



No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, rim, plain	Grit	Trench 23	W. wall, 14.8 m N, 39 cm bgs
1	bone		Trench 23	Floor, 29.1 m N, 58 cm bgs
1	bone		Trench 23	Floor, 26.4 M N, 61 cm bgs
1	bone		Trench 23	W. wall 19.7 m N, 39 cm bgs
1	pottery, body, exfoliated	Grit	Trench 23	W. Wall, 20.2 m N, 39 cm bgs
1	fcr		Trench 24	A- Floor, 4.2 m N, 35-45 cm bgs
1	fcr		Trench 24	B- Floor, 4.25 m N, 35-45 cm bgs
1	fcr		Trench 24	C- Floor, 4.6 m N, 35-45 cm bgs
1	bone, burned		Trench 24	D- Floor, 4.8 m N, 35-45 cm bgs
3	fcr		Trench 24	E- Floor, 5.0 m N, 35-45 cm bgs
1	fcr		Trench 24	F- Floor, 6.1 m N, 35-45 cm bgs
1	fcr		Trench 24	G- Floor, 6.3 m N, 35-45 cm bgs
2	fcr		Trench 24	H- Floor, 6.5 m N, 35-45 cm bgs
1	fcr		Trench 24	I- Floor, 6.7 m N, 35-45 cm bgs
1	fcr		Trench 24	J- Floor, 7.0 m N, 35-45 cm bgs
3	fcr		Trench 24	K- Floor, 7.2 m N, 35-45 cm bgs
1	charcoal		Trench 25	#1- Floor, 15.0 m E, 35-45 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	#2- Floor, 15.8 m E, 35-45 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	#3- Floor, 15.9 m E, 35-45 cm bgs
1	pottery crumb		Trench 25	#4- Floor, 15.9 m E, 35-45 cm bgs
1	bone, fragmented		Trench 25	#5- Floor, 16.5 m E, 35-45 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	#6- Floor, 16.9 m E, 35-45 cm bgs
1	pottery crumb		Trench 25	#7- Floor, 17.5 m E, 35-45 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	#8- Floor, 17.9 m E, 35-45 cm bgs
1	pottery crumb		Trench 25	#9- Floor, 18.1 m E, 35-45 cm bgs
1	pottery, body, fabric marked	Grit	Trench 25	#10- Floor, 18.5 m E, 35-45 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	#11- Floor, 18.9 m E, 35-45 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	#12- Floor, 19.1 m E, 35-45 cm bgs
1	pottery crumb		Trench 25	#13- Floor, 19.3 m E, 35-45 cm bgs
1	pottery crumb		Trench 25	#14- Floor, 19.5 m E, 35-45 cm bgs
1	fcr		Trench 25	N. wall, 14.7 m E, 46 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	N. wall, 17.2 m E, 55 cm bgs
1	charcoal		Trench 25	N. wall, 17.3, m E, 55 cm bgs
1	pottery crumb		Trench 25	N.wall, 20.2 m E, 66 cm bgs
1	unmodified flake	Quartzite	Trench 25	S. wall, 4.3 m E, 34 cm bgs
1	pottery crumb		Trench 25	S. wall, 16.0 m E, 56 cm bgs
1	pottery crumb		Trench 25	S. wall, 16.8 m E, 54 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	S. wall 17.6 m E, 61 cm bgs
1	pottery, body, fabric marked	Grit	Trench 25	S.wall, 19.9 m E, 63 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25	S. wall, 22.6 m E, 41 cm bgs
1	charcoal		Trench 25	S. wall, 23.4 m E, 51 cm bgs
1	fcr		Trench 25	S. wall, 23.8 m E, 56 cm bgs
1	pottery, body, exfoliated		Trench 25A	#1- Floor, 15.0 m N, 55-60 cm bgs
1	pottery, body, fabric marked	Grit	Trench 25A	#2- Floor, 15.0 m N, 55-60 cm bgs
1	pottery, body, exfoliated	Grit	Trench 25A	#3- Floor, 15.0 m N, 55-60 cm bgs

Trench 26

Dimensions: 1.1 m NS x 28.8 m EW

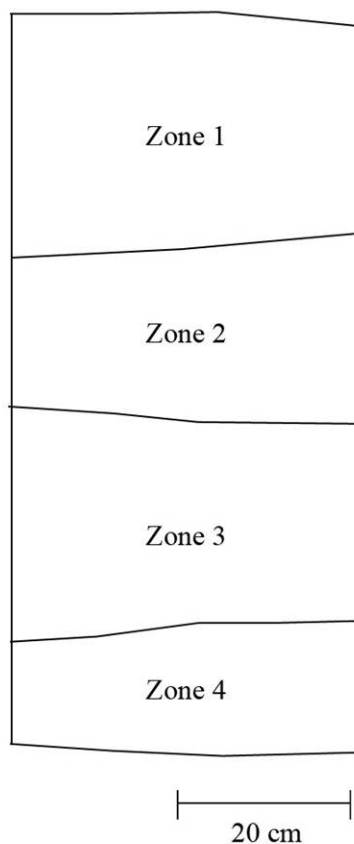
Site No.: 12H1179

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, fabric marked	Grit	Trench 26	Floor, 16.8 m E, 66 cm bgs
1	charcoal			Floor, 16.0 m E, 66 cm bgs
1	charcoal scatter			Floor, 8-9.4 m E, 32 cm bgs
1	charcoal scatter			Floor, 11.7-13.6 m E, 64 cm bgs
1	charcoal scatter			Floor, 15.1-18.6 m E, 66 cm bgs
1	charcoal scatter			Floor, 26.0-29.5 m E, 48 cm bgs

Discussion: Only one pottery sherd and charcoal were recovered in this trench. A buried plowzone similar to that found in Trench 11 was encountered in this trench. The material

Trench 26
South Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - Apb, 10YR 3/1, loam, weak subangular blocky

Zone 3 - A, 10YR 2/1, silt loam, granular to weak subangular blocky

Zone 4 - Bw, 10YR 3/1, clay loam, weak subangular blocky

recovered from this trench was located either at the base of the mollic epipedon (Zone 3) or from the buried plowzone. The mollic epipedon was approximately 0.65 m bgs. The water table was encountered at the base of Zone 4.

Profile section: 10.0 to 10.4 m east of the west end of trench



Trench 27

Dimensions: 1.1 m EW x 30.1 m NS

Site No.: 12H1180

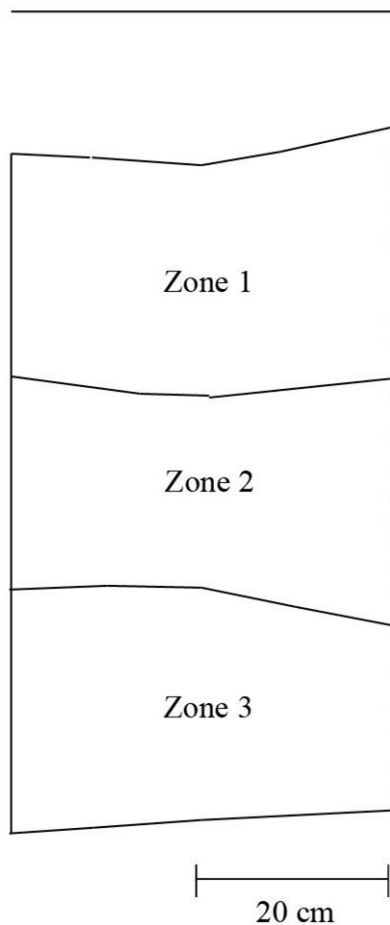
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, exfoliated	grit	Trench 27	Floor, 27.4 m S, 50 cm bgs

Discussion: Only one pottery sherd was recovered from this trench. It was found at the bottom of the mollic epipedon, Zone 2. The mollic epipedon was approximately 0.5 m deep and lighter in color the most of the northern trenches indicating less organic content. The sandy texture of Zone 3 indicates a higher energy deposition.

Profile section: 23.0 to 23.4 m south of the north end of trench

Trench 27
East Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 3/2, silty clay loam, weak subangular blocky
 Zone 3 - Bw, 10YR 3/1 sandy clay loam, granular to weak subangular blocky

Trench 28

Dimensions: 1.1 m NS x 28.4 m EW

Site No.: 12H1181

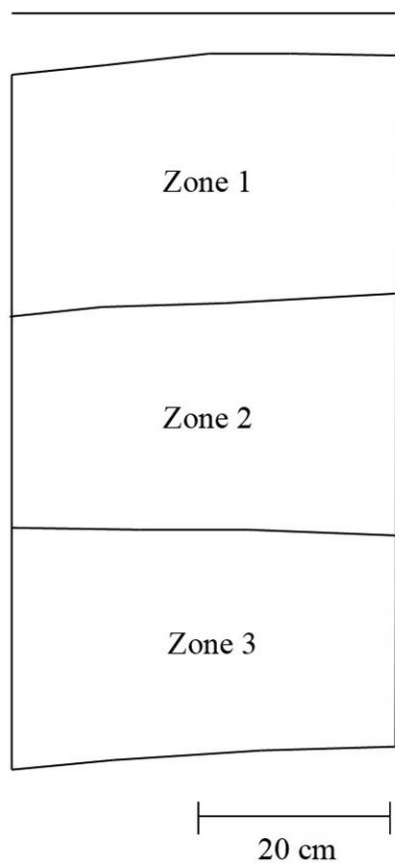
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, fabric marked	Grit	Trench 28	surface
1	hammerstone/anvil/muller		Trench 28	surface

Discussion: No artifacts were recovered in the Trench. The pottery sherd and hammerstone/anvil/muller were found on the ground surface on the north side of the trench. This trench had a mollic epipedon approximately 0.5 m deep and lighter in color than the northern trenches. The sand bed encountered in Zone 3 was not recorded elsewhere during the subsurface reconnaissance. These sediments indicate high energy deposition probably very near an active swale or flood channel.

Profile section: 4.4 to 4.8 m east of the west end of trench

Trench 28
North Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 3/2, sandy clay loam, granular

Zone 3 - C, 10YR 4/3, loamy sand, massive



Appendix B

Artifact Catalog

Catalogue No	Site	Identification	Material/Temp	XU/Trench	Level	Provenience	No	Wt. (g)	Association	Storage
06.67.001	12H1005	Triangular point fragment	Fall Creek			surface	1			
06.67.002	12H1014	bone, fragmented		Trench 8		#1- Floor, 20.0 m N, 30 cm bgs	1			
06.67.003	12H1014	for		Trench 8		#1- Floor, 20.0 m N, 30 cm bgs	2	430.0		discarded
06.67.004	12H1014	pottery, body, fabric marked	grit	Trench 8		#3- Floor, 20.7 m N, 30 cm bgs	1			
06.67.005	12H1014	pottery crumb		Trench 8		#4- Floor, 21.7 m N, 30 cm bgs	1			
06.67.006	12H1014	pottery crumb		Trench 8		#5- Floor, 23.4 m N, 30 cm bgs	1			
06.67.007	12H1014	unmodified flake	Fall Creek	Trench 8		surface	1			
06.67.008	12H1014	pottery, body, fabric marked	grit	Trench 8		surface	1			
06.67.009	12H1018	bone, burned		Trench 2		plowzone	1	2.1		
06.67.010	12H1018	pottery, body, fabric marked	grit	Trench 2		plowzone	4			
06.67.011	12H1018	for		Trench 2		plowzone	2	27.6		discarded
06.67.012	12H1018	pottery, body, fabric marked	grit	Trench 2		#1- Floor, 23.8 m N, 25-35 cm bgs	1			
06.67.013	12H1018	pottery, body, exfoliated	grit	Trench 2		#2- Floor, 24.0 m N, 25-35 cm bgs	1			
06.67.014	12H1018	pottery, body, exfoliated	grit	Trench 2		#3- Floor, 24.0 m N, 25-35 cm bgs	1			
06.67.015	12H1018	pottery, body, exfoliated	grit	Trench 2		#4- Floor, 24.7 m N, 25-35 cm bgs	1			
06.67.016	12H1018	pottery, body, fabric marked	grit	Trench 2		#5- Floor, 26.4 m N, 25-35 cm bgs	1			
06.67.017	12H1018	pottery, body, exfoliated	grit	Trench 2		#6- Floor, 28.1 m N, 25-35 cm bgs	1			
06.67.018	12H1018	pottery crumb		Trench 2		#7- Floor, 30.1 m N, 45 cm bgs	1			
06.67.019	12H1018	for		Trench 2		#8- Floor, 30.2 m N, 45 cm bgs	1	65.7		discarded
06.67.020	12H1018	for		Trench 2		#9- Floor, 32.2 m N, 45 cm bgs	1	43.4		discarded
06.67.021	12H1018	for		Trench 2		#10- E. wall, 30.5 m N, 45 cm bgs	2	194.5		discarded
06.67.022	12H1018	for		Trench 2		#11- Floor, 30.7 m N, 28 cm bgs	1	42.1		discarded
06.67.023	12H1018	pottery crumb		Trench 2A		#1- Floor, 2.4 m E, 25-30 cm bgs	1			
06.67.024	12H1018	pottery crumb		Trench 2A		#2- Floor, 3.6 m E, 25-30 cm bgs	1			
06.67.025	12H1018	pottery crumb		Trench 2A		#3- Floor, 5.5 m E, 25-30 cm bgs	1			
06.67.026	12H1018	pottery crumb		Trench 2A		#4- Floor, 6.5 m E, 25-30 cm bgs	1			
06.67.027	12H1018	pottery crumb		Trench 2A		#5- Floor, 7.5 m E, 50 cm bgs	1			
06.67.028	12H1018	for		Trench 2A		#6- Floor, 7.5 m E, 50 cm bgs	1	51.9		discarded
06.67.029	12H1018	for		Trench 2A		#7- Floor, 8.5 m E, 60 cm bgs	1	2.4		discarded
06.67.030	12H1018	pottery crumb		Trench 2A		#8- Floor, 9.1 m E, 60 cm bgs	1			
06.67.031	12H1018	pottery crumb		Trench 2A		#12- Floor, 10.8 m E, 60 cm bgs	1			
06.67.032	12H1018	pottery, body, exfoliated	grit	Trench 2A		#13- Floor, 11.3 m E, 60 cm bgs	1			
06.67.033	12H1018	for		Trench 2A		#14- Floor, 11.4 m E, 60 cm bgs	1	33.7		discarded
06.67.034	12H1018	pottery, body, cord marked	grit	Trench 2A		#15- Floor, 11.8 m E, 60 cm bgs	1			
06.67.035	12H1018	unmodified flake	Fall Creek	Trench 2A		#17- Floor, 12.8 m E, 60 cm bgs	1			
06.67.036	12H1018	pottery crumb		Trench 2A		#18- Floor, 12.9 m E, 61 cm bgs	1			
06.67.037	12H1018	pottery crumb		Trench 2A		#19- Floor, 12.9 m E, 61 cm bgs	1			
06.67.038	12H1018	bone, burned		Trench 2A		#20- Floor, 8.7 m E, 60 cm bgs	1	0.5		
06.67.039	12H1018	for		Trench 2A		#21- Floor, 6.4 m E, 25-30 cm bgs	1	9.2		discarded
06.67.040	12H1018	pottery crumb		Trench 2A		#23- Floor, 2.2 m E, 25-30 cm bgs	1			
06.67.041	12H1018	unmodified flake	Fall Creek	Unit 1/Trench 2A		1 30-40 cm bgs	2			
06.67.042	12H1018	unmodified flake	Quartzite	Unit 1/Trench 2A		1 30-40 cm bgs	1			
06.67.043	12H1018	charcoal		Unit 1/Trench 2A		1 30-40 cm bgs	1	0.1		
06.67.044	12H1018	burned clay		Unit 1/Trench 2A		1 30-40 cm bgs	10	1.3		
06.67.045	12H1018	pottery, body, exfoliated	grit	Unit 1/Trench 2A		1 30-40 cm bgs	10			
06.67.046	12H1018	pottery, body, fabric marked	grit	Unit 1/Trench 2A		1 30-40 cm bgs	2			
06.67.047	12H1018	pottery, rim, decorated - cord impressed	grit	Unit 1/Trench 2A		1 30-40 cm bgs	1			
06.67.048	12H1018	for		Unit 1/Trench 2A		1 30-40 cm bgs	29	217.5		discarded
06.67.049	12H1018	burned clay		Unit 1/Trench 2A		2 40-50 cm bgs	6	0.9		
06.67.050	12H1018	for		Unit 1/Trench 2A		2 40-50 cm bgs	15	113.3		discarded

06.67.051	12H1018	unmodified flake	Fall Creek	Unit 1/Trench 2A	3 50-60 cm bgs	1	1	discarded
06.67.052	12H1018	for		Unit 1/Trench 2A	3 50-60 cm bgs	17	385.4	
06.67.053	12H1018	charcoal sample		Unit 1/Trench 2A	3 60-70 cm bgs	2		
06.67.054	12H1018	unmodified flake	Fall Creek	Unit 1/Trench 2A	4 60-70 cm bgs	2		
06.67.055	12H1018	burned clay		Unit 1/Trench 2A	4 60-70 cm bgs	8	1.9	
06.67.056	12H1018	for		Unit 1/Trench 2A	4 60-70 cm bgs	31	387.6	discarded
06.67.057	12H1018	charcoal sample		Unit 1/Trench 2A	4 60-70 cm bgs	5		
06.67.058	12H1018	unmodified flake	Fall Creek	Unit 1/Trench 2A	5 70-80 cm bgs	1		
06.67.059	12H1018	core	Fall Creek	Unit 1/Trench 2A	5 70-80 cm bgs	1		
06.67.060	12H1018	burned clay		Unit 1/Trench 2A	5 70-80 cm bgs	50	15.5	
06.67.061	12H1018	charcoal		Unit 1/Trench 2A	5 70-80 cm bgs	5		
06.67.062	12H1018	for		Unit 1/Trench 2A	5 70-80 cm bgs	26	385.6	discarded
06.67.063	12H1018	pottery, body, cord marked	grit	Trench 10	plowzone	1		
06.67.064	12H1018	pottery, body, exfoliated	grit	Trench 10	E. wall, 5.9 m N, 32cm bgs	1		
06.67.065	12H1018	bone		Trench 10	E. wall, 4.7 m N, 33cm bgs	1		
06.67.066	12H1018	pottery, body, exfoliated	grit	Trench 10	Floor, 20.5 m N, 34 cm bgs	1		
06.67.067	12H1018	pottery, body, fabric marked	grit	Trench 10	Floor, 21.8 m N, 38 cm bgs	1		
06.67.068	12H1018	pottery, body, exfoliated	grit	Trench 10	Floor, 22.6 m N, 40 cm bgs	1		
06.67.069	12H1018	pottery, body, exfoliated	grit	Trench 10	Floor, 24.3 m N, 41 cm bgs	1		
06.67.070	12H1018	for		Trench 10	#1- Floor, 9.1 m N, 26 cm bgs	1	15.2	discarded
06.67.071	12H1018	pottery, body, cord marked	grit	Trench 10	#2- Floor, 10.1 m N, 26 cm bgs	1		
06.67.072	12H1018	pottery, rim, decorated - cord impressed	grit	Trench 10	#3- Floor, 10.9 m N, 26 cm bgs	1		
06.67.073	12H1019	anvil/muller			Surface	1		
06.67.074	12H1019	for		Trench 3	#1- S. wall, 19.9 m E, 31 cm bgs	1	496.5	discarded
06.67.075	12H1019	unmodified flake	Fall Creek	Trench 3	#2- S. wall, 19.4 m E, 23 cm bgs	1		
06.67.076	12H1019	pottery, body, cord marked	grit	Trench 3	#4- N. wall, 23.6 m E, 34 cm bgs	1		
06.67.077	12H1019	for		Trench 3	#5- S. wall, 25.9 m E, 28 cm bgs	1	72.2	discarded
06.67.078	12H1019	for		Trench 3	#6- S. wall, 26.1 m E, 26 cm bgs	2	132.8	discarded
06.67.079	12H1019	pottery, body, cord marked	grit	Trench 3A	#1- Floor, 0.2 m S, 28 cm bgs	1		
06.67.080	12H1019	pottery, body, fabric marked	grit	Trench 3A	#2- Floor, 0.2 m S, 26 cm bgs	1		
06.67.081	12H1069	nail or wire fragment		Trench 20	Floor, 6.3 m N, BPZ	1		
06.67.082	12H1069	whiteware		Trench 20	Floor, 6.3 m N, BPZ	1		
06.67.083	12H1069	metal, farm machinery		Trench 20	Surface, west side of trench 13.65 m N	1		
06.67.084	12H1069	nail fragment		Trench 20	W. wall, 15.85 m N, 25 cm bgs	1		
06.67.085	12H1069	wooden post		Trench 20	Floor, 9.8 - 10.0 m N	1		not collected
06.67.086	12H1070	pottery crumb		Trench 18	#2- E. wall, 7.6 m N, 15 cm bgs	1		
06.67.087	12H1070	pottery crumb		Trench 18	#3- E. wall, 9.0m N, 20 cm bgs	1		
06.67.088	12H1070	pottery crumb		Trench 18	#4- E. wall, 10.5 m N, 26 cm bgs	1		
06.67.089	12H1070	pottery, body, exfoliated	grit	Trench 18	#5- Floor, 14.2 m N, 40 cm bgs	1		
06.67.090	12H1070	pottery, body, fabric marked	grit	Trench 18	plowzone	1		
06.67.091	12H1070	unmodified flake	Glacial	Trench 18	Floor, 3.0 m N, BPZ	1		
06.67.092	12H1070	pottery, body, fabric marked	grit	Trench 18	Floor, 3.0 m N, BPZ	1		
06.67.093	12H1070	glass, clear, container		Trench 18	Floor, 3.0 m N, BPZ	1		
06.67.094	12H1070	pottery, body, fabric marked	grit	Trench 18 - 50 x 50 cm	1.05 to 1.55 m N, 30 cm bgs	3		
06.67.095	12H1070	modified flake	Fall Creek	Trench 18 - 50 x 50 cm	1.05 to 1.55 m N, 30 cm bgs	1		
06.67.096	12H1070	for		Trench 19	S. wall, 2.7 m W, 23 cm bgs	1	103.1	discarded
06.67.097	12H1070	modified flake	Fall Creek	Trench 19	N. wall, 6.3 m W, 36 cm bgs	1		
06.67.098	12H1070	block flake	Heat damaged	Trench 19	S. wall, 6.9 m W, 31 cm bgs	1		
06.67.099	12H1070	pottery, body, fabric marked	grit	Trench 19	Floor, 11.1 m W, 24 cm bgs	1		
06.67.100	12H1072	pottery, body, exfoliated	grit	Trench 7	plowzone	1		
06.67.101	12H1072	for		Trench 7	#1- Floor, 23.4 m N, 38 cm bgs	1	22.8	discarded

06.67.153	12H1178	pottery, body, exfoliated	grit	Trench 25	N. wall, 17.2 m E, 55 cm bgs	1	
06.67.154	12H1178	charcoal		Trench 25	N. wall, 17.3, m E, 55 cm bgs	1	
06.67.155	12H1178	pottery crumb		Trench 25	N. wall, 20.2 m E, 66 cm bgs	1	
06.67.156	12H1178	unmodified flake	Quartzite	Trench 25	S. wall, 4.3 m E, 34 cm bgs	1	
06.67.157	12H1178	pottery crumb		Trench 25	S. wall, 16.0 m E, 56 cm bgs	1	
06.67.158	12H1178	pottery crumb		Trench 25	S. wall, 16.8 m E, 54 cm bgs	1	
06.67.159	12H1178	pottery, body, exfoliated	grit	Trench 25	S. wall, 17.6 m E, 61 cm bgs	1	
06.67.160	12H1178	pottery, body, fabric marked	grit	Trench 25	S. wall, 19.9 m E, 63 cm bgs	1	
06.67.161	12H1178	pottery, body, exfoliated	grit	Trench 25	S. wall, 22.6 m E, 41 cm bgs	1	
06.67.162	12H1178	charcoal		Trench 25	S. wall, 23.4 m E, 51 cm bgs	1	
06.67.163	12H1178	fer		Trench 25	S. wall, 23.8 m E, 56 cm bgs	1	discarded
06.67.164	12H1178	pottery, body, exfoliated		Trench 25A	#1- Floor, 15.0 m N, 55-60 cm bgs	1	
06.67.165	12H1178	pottery, body, fabric marked	grit	Trench 25A	#2- Floor, 15.0 m N, 55-60 cm bgs	1	
06.67.166	12H1178	pottery, body, exfoliated	grit	Trench 25A	#3- Floor, 15.0 m N, 55-60 cm bgs	1	
06.67.167	12H1179	pottery, body, fabric marked	grit	Trench 26	Floor, 16.8 m E, 66 cm bgs	1	
06.67.168	12H1179	charcoal			Floor, 16.0 m E, 66 cm bgs	1	
06.67.169	12H1179	charcoal scatter			Floor, 8-9.4 m E, 32 cm bgs	1	not collected
06.67.170	12H1179	charcoal scatter			Floor, 11.7-13.6 m E, 64 cm bgs	1	not collected
06.67.171	12H1179	charcoal scatter			Floor, 15.1-18.6 m E, 66 cm bgs	1	not collected
06.67.172	12H1179	charcoal scatter			Floor, 26.0-29.5 m E, 48 cm bgs	1	not collected
06.67.173	12H1180	pottery, body, exfoliated	grit	Trench 27	Floor, 27.4 m S, 50 cm bgs	1	
06.67.174	12H1181	pottery, body, fabric marked	grit	Trench 28	surface	1	
06.67.175	12H1181	hammerstone/anvil/muller		Trench 28	surface	1	
						393	5040.3

Addendum
Archaeological Subsurface Reconnaissance
Koteewi Park Lake
Hamilton County, Indiana

Prepared for:
Hamilton County Parks and Recreation
15513 S. Union Street
Carmel, IN 46033

Prepared by:
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November 20, 2006

ARMS Project #06SR05addendum

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Abstract

The Archaeological Resources Management Service (ARMS) conducted an archaeological subsurface reconnaissance for proposed expansions of the recreational lake area within Koteewi Park at Strawtown, Indiana for Hamilton County Parks and Recreation (HCPR). This project was conducted as an addendum to a subsurface reconnaissance completed in the summer of 2006. This project involved the excavation of 10 backhoe trenches within the proposed expansion areas. Subsurface deposits were recorded within two previously recorded sites: 12H1018 and 12H1081. Three new archaeological sites were recorded based on subsurface deposits, 12H1182 to 12H1184. Two sites, 12H1018 and 12H1183, were recommended for avoidance or further archaeological testing.

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Introduction

In response to a request from Hamilton County Parks and Recreation (HCPR), the Archaeological Resources Management Service (ARMS) has conducted archaeological investigations for expanded areas of the proposed recreational lake within Koteewi Park at Strawtown, Hamilton County, Indiana (Figure 1). This project is an addendum to subsurface investigations completed for the proposed lake during the summer of 2006 (McCord 2006). This project involves approximately 5 acres of expanded area.

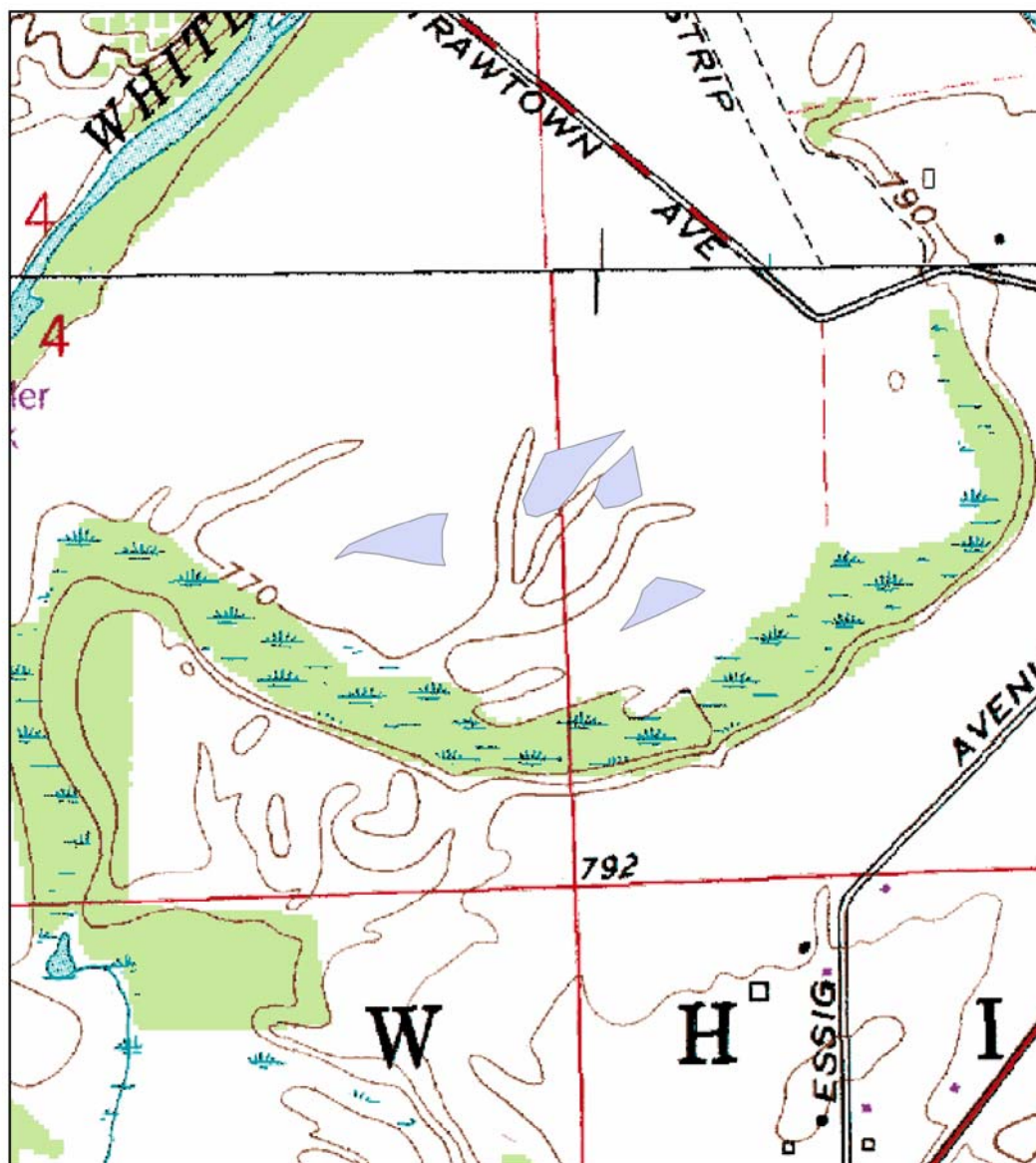
In June of 2006, ARMS excavated 28 backhoe trenches within the proposed lake area. The area investigated was approximately 18.25 acres in size or 73,869 m². The trenches were placed to sample all surface archaeological sites and all landforms including the floodplain basin, swales and ridges. The most common profile consisted of an Ap-A-Bw profile. The darker and deeper mollic epipedon occurred in the northern trenches mapped as Ross loam and the lighter color mollic epipedons occurred in areas mapped as Sloan silty clay loam (McCord 2006).

The subsurface project recovered over 300 artifacts all within the A-horizon (mollic epipedon) (McCord 2006). The nearly 100 pottery sherds (including crumbled fragments) recovered were the only diagnostic artifacts. Four rim sherds were similar to sherds identified as “Great Lake Impressed” (McCullough et al. 2004), Bowen series (McCord et al. 2004) and, more recently, Castor Phase (McCullough 2005) and should date between cal AD 1000 and 1400.

Subsurface deposits were recorded within nine previously recorded sites: 12H1014, 12H1018, 12H1019, 12H1069, 12H1070, 12H1072, 12H1073, 12H1074, and 12H1075. Six new archaeological sites were recorded based on subsurface deposits: 12H1175 to 1180, and one new surface site was recorded, 12H1181. Six sites, 12H1014, 12H1018, 12H1019, 12H1070, 12H1074 and 12H1178, were recommended for avoidance or further archaeological testing (McCord 2006).

The summer project was reviewed and approved by the Division of Historic Preservation on September 8, 2006 (Jones 2006).

In an effort to avoid the six sites recommended for testing, the proposed lake was redesigned (Figure 2). An additional 5 acres were added to the proposed lake area to make the design feasible. This report addresses the subsurface reconnaissance of the additional areas. The goals of the subsurface reconnaissance were to locate, document and provide a preliminary assessment of buried archaeological deposits within the project area. The subsurface reconnaissance was conducted under DHPA approved plan #2006051.



Legend

lake_additions

Figure 1. A portion of the USGS 7.5 Riverwood and Omega Quadrangles showing the location of the project area.

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Figure 2. Aerial photo showing the location of the subsurface sites, areas recommended for testing, revised lake area and additional areas.

Background and Methods

Background information and details of the field and laboratory methods used during this project may be found in McCord (2006).

The subsurface reconnaissance covered by this addendum was conducted between November 6th and 9th, 2006. The project was completed by ARMS staff including Ciara Chic, Don Cochran, Cameron Cox, Brad King, Rachel Klabalka, Aaron Lucas, Beth McCord, Jamie Meece, Jan Northam and Andy Smith. The trenches were excavated by a backhoe with a smooth bucket provided by Baker Construction. All excavation was monitored by ARMS staff.

Results

Trenches

The additional subsurface reconnaissance excavated 10 trenches within the proposed lake boundaries. Approximately 292.6 m² were sampled, representing a 1.45% sample of the proposed area. Table 1 provides a listing of the trench sizes. The trenches were placed to sample all additional areas (Figure 3).

Table 1 Trench Dimensions (all trenches 1.1 m wide)			
Trench	Length (m)	Trench	Length (m)
29	29.6	34	30.3
30	31.2	35	30.8
31	30.0	36	30.1
32	30.3	37	9.7
33	30.3	38	13.7

The trenches were excavated until the water table was encountered. The depth of the water table ranged between 0.5 m to 0.85 m. The higher water tables were encountered in areas of low relief.

As encountered with the subsurface reconnaissance conducted in the summer, the individual trenches contained homogenous deposits but the project area was diverse. The deposits encountered within the trenches varied based on geomorphology and/or landform development. Appendix A contains profile columns and descriptions of each trench.

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Figure 3. Location of backhoe trenches.

As identified in the summer 2006 project, the most common profile consisted of an Ap-A-Bw profile, indicating moderate pedogenesis as expected for Ross loam and Sloan silty clay loam soils. Ross soils are a cumlic mollisols that develop in prairie grasslands and have a deep mollic epipedon (Hosteter 1978, Soil Survey Staff 1990). Sloan soils are also mollisols, but contain less organic material in the mollic epipedon than cumulic mollisols (Hosteter 1978, Soil Survey Staff 1990). The trench profiles corresponded well with the mapped areas of Ross and Sloan soils. The darker and deeper mollic epipedon occurred in the northern trenches mapped as Ross loam (Trenches 29 to 36) and the lighter color mollic epipedons occurred in areas mapped as Sloan silty clay loam (Trenches 37 and 38).

Cultural material was recovered from each trench (Figure 4). However, Trenches 35 and 36 only contained one fire-cracked rock each and were not assigned site numbers. Artifacts were encountered from the plowzone to approximately 0.74 meters below the ground surface. No cultural material was encountered below the base of the mollic epipedon. Surface artifacts had only been identified at the location of Trenches 37 and 38, site 12H1081 (McCord and Cochran 2003).

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Figure 4. Location of artifacts within the trenches.

Artifacts

The subsurface reconnaissance recovered 34 artifacts, 2 pieces of mammal bone and documented several charcoal pieces/scatters (Table 2). The most common artifacts encountered were pottery sherds or remnants of pottery (pottery crumbs). The numbers of chert artifacts and fire-cracked rock were low. Appendices A and B provide a listing of materials by trench and site.

Table 2 Materials Recovered			
Material	No.	Material	No.
Unmodified flake	5	Pottery crumbs	2
Pottery, body, exfoliated	7	Burned clay	1
Pottery, body, fabric marked	25	Bone	2
Pottery, body, cord marked	3	Burned bone	3
Pottery, body, smoothed	1	Fire-crack rock	5 / 430.6 g
Pottery, neck, fabric marked	1	Charcoal	25
Pottery, neck, cord marked	1		

Most of the pottery consists of body sherds or crumbled fragments. The sherds are most likely affiliated with the Late Woodland/Late Prehistoric components. No rims were recovered. One body sherd with a smoothed surface treatment is decorated with a trailed line. This type of decoration could occur as part of guilloche design linked to the Oliver Phase/Fort Ancient component from the Strawtown area (eg. McCullough 2005).

One unmodified flake of heat-treated Burlington chert was recovered from Trench 38, site 12H1081. The presence of Burlington chert suggests a Middle Woodland component. Site 12H1082, located to the south and outside of the present project area, had a Middle Woodland component.

Sites

Only one surface site (12H1081) had been identified within the areas where the trenches were excavated. Trenches 37 and 38 were placed within and adjacent to the surface limits of this site. Based on the presence of artifacts in Trench 38, the site limits were extended to the east. Trench 29 was placed near site 12H1018 and based on the presence of several artifacts, the site limits were expanded to the west. The other trenches were not located within previously defined sites. Three new archaeological sites were defined based on this project, 12H1182, 1183 and 1184 (Figure 5). A summary of each site is provided below.

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Figure 5. Sites encountered during the project.

Site No: 12H1018

Trench No.: Trench 29

Cultural Period: Late Woodland/Late Prehistoric

Site Type: Scatter

Location: SE ¼, NW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588793 E 4441632 N, 588787 E 4441651 N, 588884 E 4441693 N,
588889 E 4441674 N (NAD27)

Size: 40 m NS x 110 m EW

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts: in addition to Trenches 2, 2A and 10:

1	pottery, body, exfoliated	grit
1	pottery, neck, cord marked - smoothed	grit
1	pottery, body, fabric marked	grit
2	pottery crumb	
1	unmodified flake	unknown
1	charcoal	

Discussion: The original survey of this site recovered four unmodified flakes from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 2, 2A and 10 were recovered from the plowzone to approximately 70 cm below the ground surface. A unit excavated in Trench 2A indicated a midden deposit exists at this site (McCord 2006). The density of material recovered from Trench 29 suggests similar artifact concentrations or midden exist. The quantity of artifacts suggests the location of potentially significant archaeological remains. Further exploration of this site is recommended.

Site No: 12H1081

Trench No.: Trench 37 and 18

Cultural Period: Middle Woodland

Site Type: Scatter

Location: NW ¼, NW ¼, SW ¼, SW ¼, and SE ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588764 E 4441403N, 588762 E 4441425 N, 588859 E 4441462 N,
588865E 4441448 N (NAD27)

Size: 25 m NS x 110 m EW

Soil Type: Sloan silty clay loam, sandy substratum (Sx)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

1	pottery, body, exfoliated	grit
2	fer	
1	charcoal	
1	unmodified flake	HT Burlington
1	unmodified flake	Fall Creek

Discussion: The original survey of this site recovered nine unmodified flakes, three modified flakes, one perforator and ten fire-cracked rocks from the surface (McCord and Cochran 2003). The artifacts recovered in Trench 37 and 38 were found in the plowzone or at the base of the plowzone. The quantity of artifacts and lack of artifacts below the plowzone does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1182

Trench No.: Trench 30

Cultural Period: Woodland

Site Type: Scatter

Location: NW ¼, SW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: center 588784 E 4441611 N (NAD27)

Size: 5 m x 5 m

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

- 1 pottery, neck, fabric marked grit
- 1 bone - deer astragalus

Discussion: The original survey of this area recovered no surface material (McCord and Cochran 2003). The artifacts recovered in Trench 30 were few in number and encountered approximately 50 cm bgs. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Site No: 12H1183

Trench No.: Trenches 31, 32 and 33

Cultural Period: Woodland

Site Type: Scatter

Location: NE ¼, SE ¼, NE ¼, SE ¼, Section 4 and SW ¼, NW ¼, NW ¼, SW ¼, Section 3, Township 19 North, Range 5 East

UTM: 588649 E 4441587 N, 588702 E 4441660 N, 588722 E 4441640 N, 588665 E 4441581 N (NAD27)

Size: 40 m EW x 95 m NS

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

- 1 bone – mammal jaw (raccoon)
- 2 unmodified flake Fall Creek
- pottery, body, smoothed - dec. trailed
- 1 line grit
- 1 pottery, body, fabric marked grit
- pottery, body, fabric marked
- 1 (fragmented) grit
- 1 pottery, body, fabric marked grit

- | | | |
|---|----------------------------|------|
| 3 | pottery, body, cord marked | grit |
| 4 | pottery, body, exfoliated | grit |
| 1 | burned clay | |
| 1 | Fcr | |
| 3 | burned bone | |
| 4 | Charcoal | |
| 2 | charcoal scatter | |

Discussion: The original survey of this area recovered no surface material (McCord and Cochran 2003). The artifacts recovered from the trenches occurred from the plowzone to a depth of approximately 74 cm bgs. The burned clay encountered appeared to represent a burned-out tree. The burned clay occurred at the southern end of Trench 32 at the base of the plowzone. The quantity of artifacts recovered suggests the location of potentially significant archaeological remains. Further exploration of this site is recommended.

Site No: 12H1184

Trench No.: Trench 34

Cultural Period:

Site Type: Scatter

Location: NW ¼, SE ¼, NE ¼, SE ¼, Section 4, Township 19 North, Range 5 East

UTM: center - 588507 E 4441565 N (NAD27)

Size: Isolated find

Soil Type: Ross loam (Ro)

Landform: Floodplain basin

Surface artifacts: none

Subsurface artifacts:

- | | | |
|---|---------------------------|------|
| 1 | pottery, body, exfoliated | grit |
|---|---------------------------|------|

Discussion: The original survey of this area recovered no surface material (McCord and Cochran 2003). Only one sherd was recovered at the base of the plowzone. The quantity of artifacts recovered does not suggest a potentially significant archaeological deposit. No further archaeological investigation is recommended.

Discussion

The additional subsurface reconnaissance conducted at the expanded areas of Koteewi Park had comparable results with the subsurface project conducted during the summer.

The water table was fairly high ranging between 0.5 m and .085 m below the ground surface. Soil textures identified during this project were typically silt loams or clay loams and coarser textures of sandy clay loams were encountered at the southern-most area. In general, the soils indicated low energy deposition with occasionally higher energy flooding episodes as evidenced by the laminations in Trenches 31 and 32.

Cultural material was recovered in every trench excavated. The material was buried less than one meter deep. The deepest cultural materials occurred approximately 0.74 m below the present ground surface. Cultural material was only encountered within

the A-horizon (mollic epipedon). Sites 12H1182, 1183 and 1184 had no surface manifestation.

Two sites, contained larger quantities or concentrations of artifacts and were recommended for avoidance or archaeological testing (Table 3). The artifacts recovered in Trench 29 appear to be an extension of site 12H1018 that was previously recommended for testing. Site 12H1183 contained the largest quantity of materials recovered during this project. The landform is similar to sites 12H1018 and 12H1178 and the type and quantity of artifacts recovered are also similar.

The final lake design is being planned and the archaeological sites recommended for testing may be avoided. Figure 6 shows a suggested 19.9 acre configuration for the lake that should not adversely affect archaeological resources.

Table 3 Recommendations	
Recommendation	Site No.
No Further Work	12H1081, 1182 and 1184
Testing	12H1018 and 1183

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Figure 6. Suggested lake configuration to avoid archaeological resources.

Conclusions

An archaeological subsurface reconnaissance was conducted for expanded areas of the proposed recreational lake within Koteewi Park at Strawtown, Indiana. The subsurface reconnaissance involved the excavation of 10 backhoe trenches. The project recovered 34 artifacts all within the A-horizon mollic epipedon. Subsurface deposits were recorded within two previously recorded sites: 12H1018 and 12H1081. Three new archaeological sites were recorded based on subsurface deposits: 12H1182, 1183 and 1184. Two sites, 12H1018 and 1183, were recommended for avoidance or further archaeological testing.

If avoidance of the sites is chosen, the boundaries of these areas should be staked prior to construction so there is clear understanding of locations that must be avoided during construction.

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Appendix A

Trench Descriptions

Trench 29

Dimensions: 1.1 m NS x 29.6 m EW

Site No.: 12H1018

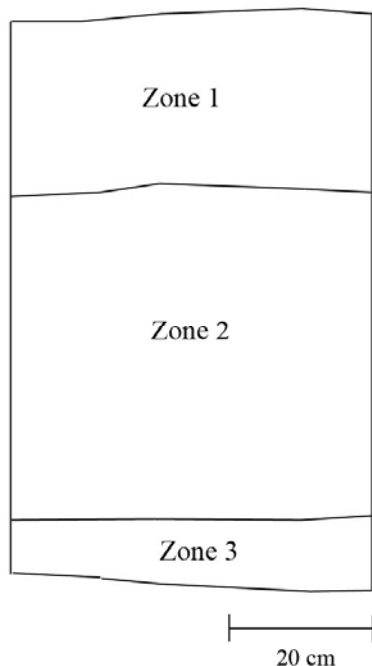
Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, exfoliated	grit	Trench 29	N. wall, 0.15 m W, 42 cm bgs
1	pottery, neck, cord marked - smoothed	grit	Trench 29	N. wall, 0.5 m W, 42 cm bgs
1	pottery, body, fabric marked	grit	Trench 29	N. wall, 1.1 m W, 40 cm bgs
1	pottery crumb		Trench 29	N. wall, 7.6 m W in plowzone
1	unmodified flake	unknown	Trench 29	N. wall, 8.7 m W, 38 cm bgs
1	charcoal		Trench 29	N. wall, 22.9 m W, 47 cm bgs
1	pottery crumb		Trench 29	N. wall, 27.9 m W, 56 cm bgs

Discussion: The artifacts recovered from the trench were encountered across the length of the trench with a small cluster of 3 sherds at the eastern end. Artifacts were encountered in the plowzone and the upper half of the mollic epipedon. The mollic epipedon was fairly deep at approximately 0.7 m below the ground surface (bgs). The B-horizon displayed mottling indicative of the height of the water table. The profile was similar to that recorded for Trenches 2 and 10 excavated in the summer. The artifact distribution suggests this is an extension of site 12H1018.

Profile Section: 8.5 m to 9.0 m south of the north end of the trench

Trench 29
North Wall



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky
 Zone 2 - A, 10YR 2/1, silt loam, granular
 Zone 3 - Bw, 10YR 3.2 with 10YR 4/3 mottles, clay loam, weak subangular blocky



Trench 30

Dimensions: 1.1 m EW x 31.2 m NS

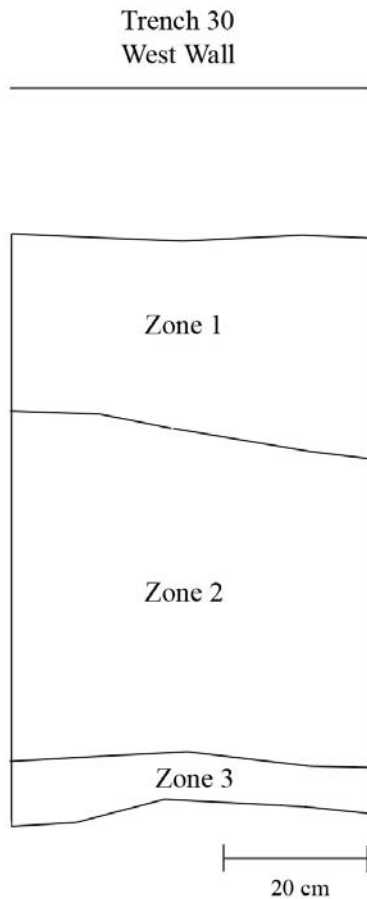
Site No.: 12H1182

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, neck, fabric marked	Grit	Trench 30	E. wall, 27.6 m S, 52 cm bgs
1	bone - deer astragalus		Trench 30	E. wall, 29.7 m S, 50 cm bgs

Discussion: No surface artifacts were recovered from this area. Only one sherd and one unmodified bone were recovered from the trench. The trench is similar in profile to Trench 29, but the plowzone was deeper (~ 50 cm bgs) at the southern end suggesting historic alluvium buried the plowzone. Trench 11 excavated during the summer also displayed a buried plowzone.

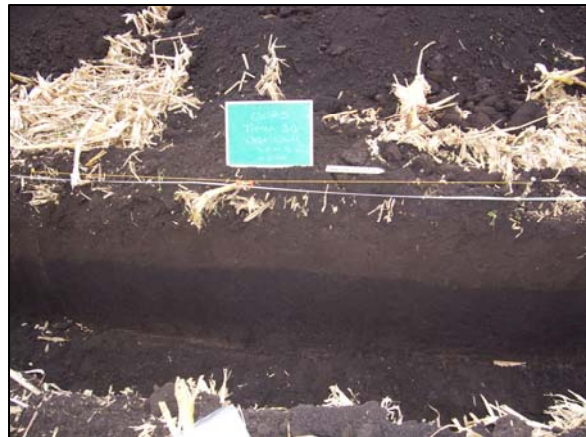
Profile Section: 9.5 to 10.0 m south of the north end of the trench



Zone 1 - Ap, 10YR 3/1, clay loam, weak subangular blocky

Zone 2 - A, 10YR 2/1, silt loam, weak subangular blocky

Zone 3 - Bw, 10YR 3/2 with 10YR 4/3 mottles, clay loam, weak subangular blocky



Trench 31, 32 and 33

Dimensions: Trench 31 – 1.1 m EW x 30.0 m NS, Trench 32 – 1.1 m EW x 30.3 m NS, Trench 33 – 1.1 m EW x 30.3 m NS

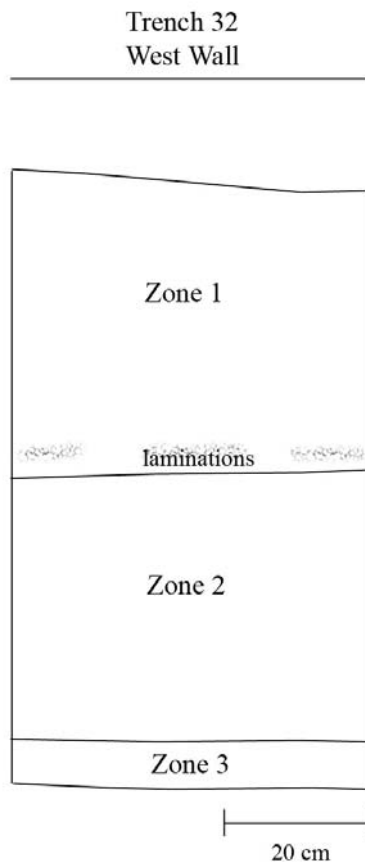
Site No.: 12H1183

Artifacts: see below

Discussion: The density of artifacts recovered from these trenches was similar to sites 12H1018 and 12H1178. The artifacts were encountered over an area approximately 50 m EW x 90 NS. Artifacts were recovered from the plowzone and mollic epipedon to a

depth of 74 cm bgs. Trench 32 had silt laminations at the base of the plowzone similar to laminations recorded at site 12H1178. Trench 31 had gravel within the plowzone. The mollic epidepon was approximately 0.75 m in depth. The redoximorphic features recorded in Zone 3 indicated the depth of the water table.

Profile Section: 12.0 to 12.5 m north of the south end of Trench 32



Zone 1 - Ap, 10YR 3/2 clay loam, weak subangular blocky

Laminations - 10YR 4/3, silt loam

Zone 2 - A, 10YR 2/1, loam, weak subangular blocky

Zone 3 - Bw, 10YR 3/2 with 10YR 4/3 mottles clay loam, weak subangular blocky



No	Identification	Material/ Temper	XU/Trench	Provenience
1	Bone - mammal jaw (raccoon)		Trench 31	Floor, 1.5 m N, 62 cm bgs
1	charcoal scatter		Trench 31	Floor, 3.8 - 5.4 m N, 60 cm bgs
1	Unmodified flake	Fall Creek	Trench 31	W. wall, 7.4 m N, 30 cm bgs
1	Unmodified flake	Fall Creek	Trench 31	W. wall, 11.8 m N, 24 cm bgs (PZ)
1	pottery, body, fabric marked	grit	Trench 31	E. wall, 20.25 m N, 37 cm bgs
1	pottery, body, exfoliated	grit	Trench 31	E. wall, 21.5 m N, 42 cm bgs
1	burned clay		Trench 32	W. wall, 0.2 - 0.6 m N, 33 cm bgs
1	pottery, body, exfoliated	grit	Trench 32	W. wall, 3.15 m N, 46 cm bgs
1	Fcr		Trench 32	E. wall, 9.1 m N, 64 cm bgs
3	burned bone		Trench 32	E. wall, 9.4 m N, 61 cm bgs
1	pottery, body, exfoliated	grit	Trench 32	W. wall, 16.2 m N, 74 cm bgs
1	pottery, body, smoothed - dec. trailed line	grit	Trench 32	W. wall, 16.7 m N, 74 cm bgs
1	pottery, body, exfoliated	grit	Trench 32	Floor, 17.2 m N, 56 cm bgs
1	Charcoal		Trench 32	E. wall, 17.3 m N, 48 cm bgs
1	pottery, body, fabric marked	grit	Trench 32	E. wall, 17.6 m N, 57 cm bgs
1	pottery, body, fabric marked (fragmented)	grit	Trench 32	Floor, 18.8 m N, 55 cm bgs
1	Charcoal		Trench 32	W. wall, 22.1 m N, 48 cm bgs
1	Charcoal		Trench 32	W. wall, 24.4 m N, 37 cm bgs
1	pottery, body, cord marked	grit	Trench 33	W. wall, 1.3 m N, 33 cm bgs (BPZ)
1	pottery, body, cord marked	grit	Trench 33	Floor, 6.1 m N, 42 cm bgs
1	charcoal scatter		Trench 33	W. wall, 16.3 m - 18.8 m, 60 - 70 cm bgs
1	pottery, body, cord marked	grit	Trench 33	E. wall, 21.0 m N, 38 cm bgs
1	Charcoal		Trench 33	W. wall, 28.3 - 28.5 m N, 50 - 53 cm bgs

Trench 34

Dimensions: 1.1 m EW x 30.3 m NS

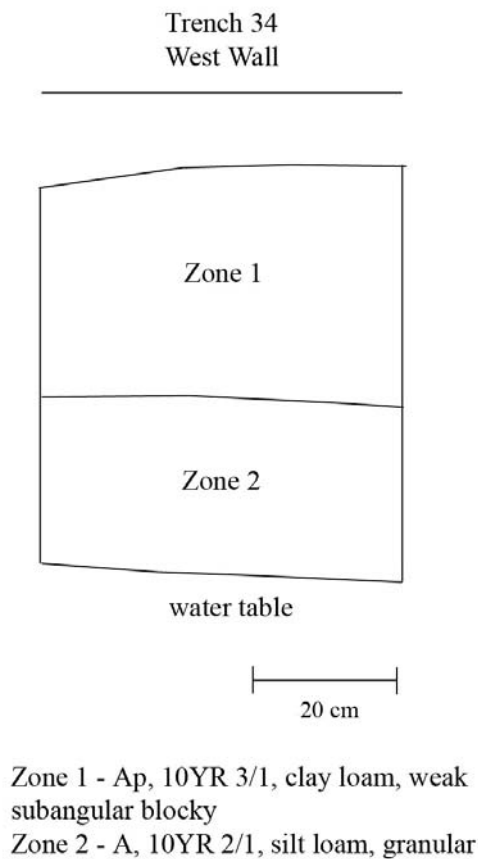
Site No.: 12H1184

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, exfoliated	grit	Trench 34	W. wall, 3.3 m S, 28 cm bgs (BPZ)

Discussion: This trench and Trenches 35 and 36 had a high water table (approximately 55 to 60 cm bgs). These trenches are closest to the existing wetland in the slough to the south and west. Only one artifact was recovered from the trench at the base of the plowzone. Due to the high water table, the mollic epipedon was not as deep.

Profile Section: 12 to 12.5 m south of the north end of the trench



Trench 35 and 36

Dimensions: Trench 35 -1.1 m NS x 30.8 m EW, Trench 36 – 1.1 m NS x 30.1 m EW

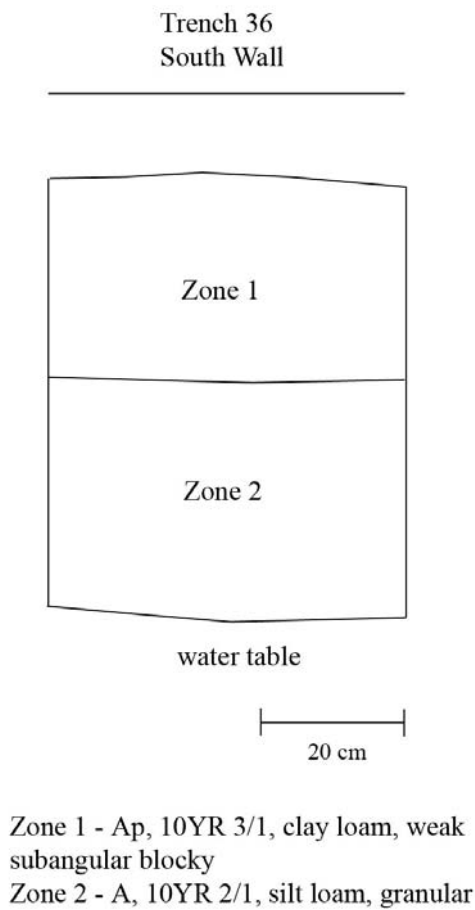
Site No.: none

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	fcr		Trench 35	N. wall, 17.3 m W, 33 cm bgs
1	fcr		Trench 36	S. wall, 10.2 m E, 42 cm bgs

Discussion: These trenches are very similar to Trench 34. However, only one fire-cracked rock was recovered from each of these trenches and were not given a site number. The water table is high at approximately 50 to 55 bgs. The mollic epipedon is approximately 50 to 55 cm bgs.

Profile Section: 10 to 10.5 m east of the west end of the Trench 36



Trench 37 and 38

Dimensions: Trench 37 – 1.1 m NS x 9.7 m EW, Trench 38 – 1.1 m NS x 13.7 m EW

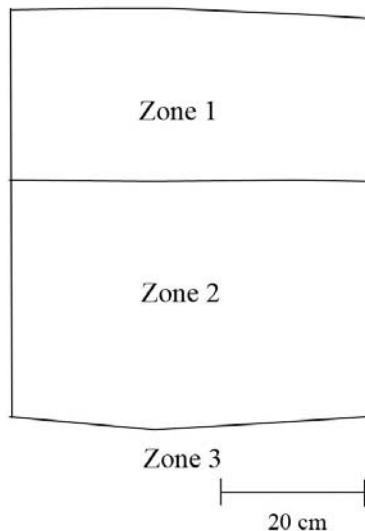
Site No.: 12H1081

Artifacts:

No	Identification	Material/Temper	XU/Trench	Provenience
1	pottery, body, exfoliated	grit	Trench 37	S. wall, 4.9 m E, 28 cm bgs (BPZ)
1	fc		Trench 37	S. wall, 6.4 m E, 28 cm bgs (BPZ)
1	charcoal		Trench 37	S. wall, 8.5 m E, 29 cm bgs (BPZ)
1	unmodified flake	HT Burlington	Trench 38	N. wall, 0.4 m E, 33 cm bgs (BPZ)
1	unmodified flake	Fall Creek	Trench 38	S. wall, 3.8 m E, 23 cm bgs (PZ)
1	fc		Trench 38	N. wall, 4.8 m E, 31 cm bgs (BPZ)

Discussion: The artifacts recovered from these trenches were either in the plowzone or at the base of the plowzone. Zone 2, is similar to the mollic epipedon recorded in the other trenches but lighter in color indicating less organic content. These trenches were similar to Trench 16 excavated in the summer, but had a coarser/sandier textured Zone 2. Zone 3 encountered at the base of the trench displayed redoximorphic features indicating the depth of the water table.

Trench 37
South Wall



Zone 1 - Ap, 10YR 3/2, clay loam, weak subangular blocky

Zone 2 - A/B, 10YR 4/2, sandy clay loam, weak subangular blocky

Zone 3 - Bw, 10YR 4/4 with 10YR 4/2 and 10YR 4/6 mottles, clay loam, weak subangular blocky

Profile Section: 4 to 4.5 m east of the west
end of Trench 37



Appendix B

Artifact Catalog

Catalogue No	Site	Identification	Material/Temp	XU/Trench	Level	Provenience	No	Wt. (g)	Association	Storage
06.67.179	12H1081	pottery, body, exfoliated	grit	Trench 37		S. wall, 4.9 m E, 28 cm bgs (BPZ)	1			
06.67.180	12H1081	fer		Trench 37		S. wall, 6.4 m E, 28 cm bgs (BPZ)	1	214.3		discarded
06.67.181	12H1081	charcoal		Trench 37		S. wall, 8.5 m E, 29 cm bgs (BPZ)	1			not collected
06.67.182	12H1081	unmodified flake	HT Burlington	Trench 38		N. wall, 0.4 m E, 33 cm bgs (BPZ)	1			
06.67.183	12H1081	unmodified flake	Fall Creek	Trench 38		S. wall, 3.8 m E, 23 cm bgs (PZ)	1			
06.67.184	12H1081	fer		Trench 38		N. wall, 4.8 m E, 31 cm bgs (BPZ)	1	23.7		discarded
06.67.185	12H1018	pottery, body, exfoliated	grit	Trench 29		N. wall, 0.15 m W, 42 cm bgs	1			
06.67.186	12H1018	pottery, neck, cord marked - smoothed	grit	Trench 29		N. wall, 0.5 m W, 42 cm bgs	1			
06.67.187	12H1018	pottery, body, fabric marked	grit	Trench 29		N. wall, 1.1 m W, 40 cm bgs	1			
06.67.188	12H1018	pottery crumb		Trench 29		N. wall, 7.6 m W in plowzone	1			
06.67.189	12H1018	unmodified flake	unknown	Trench 29		N. wall, 8.7 m W, 38 cm bgs	1			
06.67.190	12H1018	charcoal		Trench 29		N. wall, 22.9 m W, 47 cm bgs	1			
06.67.191	12H1018	pottery crumb		Trench 29		N. wall, 27.9 m W, 56 cm bgs	1			
06.67.192	12H1182	pottery, neck, fabric marked	grit	Trench 30		E. wall, 27.6 m S, 52 cm bgs	1			
06.67.193	12H1182	bone - deer astragalus		Trench 30		E. wall, 29.7 m S, 50 cm bgs	1			
06.67.194	12H1183	bone - mammal jaw (raccoon)		Trench 31		Floor, 1.5 m N, 62 cm bgs	1			
06.67.195	12H1183	charcoal scatter		Trench 31		Floor, 3.8 - 5.4 m N, 60 cm bgs	1			not collected
06.67.196	12H1183	unmodified flake	Fall Creek	Trench 31		W. wall, 7.4 m N, 30 cm bgs	1			
06.67.197	12H1183	unmodified flake	Fall Creek	Trench 31		W. wall, 11.8 m N, 24 cm bgs (PZ)	1			
06.67.198	12H1183	pottery, body, fabric marked	grit	Trench 31		E. wall, 20.25 m N, 37 cm bgs	1			
06.67.199	12H1183	pottery, body, exfoliated	grit	Trench 31		E. wall, 21.5 m N, 42 cm bgs	1			
06.67.200	12H1183	burned clay		Trench 32		W. wall, 0.2 - 0.6 m N, 33 cm bgs	1			
06.67.201	12H1183	pottery, body, exfoliated	grit	Trench 32		W. wall, 3.15 m N, 46 cm bgs	1			
06.67.202	12H1183	fer		Trench 32		E. wall, 9.1 m N, 64 cm bgs	1			
06.67.203	12H1183	burned bone		Trench 32		E. wall, 9.4 m N, 61 cm bgs	3			
06.67.204	12H1183	pottery, body, exfoliated	grit	Trench 32		W. wall, 16.2 m N, 74 cm bgs	1			
06.67.205	12H1183	pottery, body, smoothed - dec. trailed line	grit	Trench 32		W. wall, 16.7 m N, 74 cm bgs	1			
06.67.206	12H1183	pottery, body, exfoliated	grit	Trench 32		Floor, 17.2 m N, 56 cm bgs	1			
06.67.207	12H1183	charcoal		Trench 32		E. wall, 17.3 m N, 48 cm bgs	1			not collected
06.67.208	12H1183	pottery, body, fabric marked	grit	Trench 32		E. wall, 17.6 m N, 57 cm bgs	1			
06.67.209	12H1183	pottery, body, fabric marked (fragmented)	grit	Trench 32		Floor, 18.8 m N, 55 cm bgs	1			
06.67.210	12H1183	charcoal		Trench 32		W. wall, 22.1 m N, 48 cm bgs	1			not collected
06.67.211	12H1183	charcoal		Trench 32		W. wall, 24.4 m N, 37 cm bgs	1			not collected
06.67.212	12H1183	pottery, body, cord marked	grit	Trench 33		W. wall, 1.3 m N, 33 cm bgs (BPZ)	1			
06.67.213	12H1183	pottery, body, cord marked	grit	Trench 33		Floor, 6.1 m N, 42 cm bgs	1			
06.67.214	12H1183	charcoal scatter		Trench 33		W. wall, 16.3 m - 18.8 m, 60 - 70 cm bgs	1			not collected
06.67.215	12H1183	pottery, body, cord marked	grit	Trench 33		E. wall, 21.0 m N, 38 cm bgs	1			
06.67.216	12H1183	charcoal		Trench 33		W. wall, 28.3 - 28.5 m N, 50 - 53 cm bgs	1			not collected
06.67.217	12H1184	pottery, body, exfoliated	grit	Trench 34		W. wall, 3.3 m S, 28 cm bgs (BPZ)	1			
06.67.218	no #	fer		Trench 35		N. wall, 17.3 m W, 33 cm bgs	1	107.5		discarded
06.67.219	no #	fer		Trench 36		S. wall, 10.2 m E, 42 cm bgs	1	77.2		discarded
06.67.220	12H1178	pottery, body, fabric marked	grit	Trench 25		Surface of backdirt pile	1			